

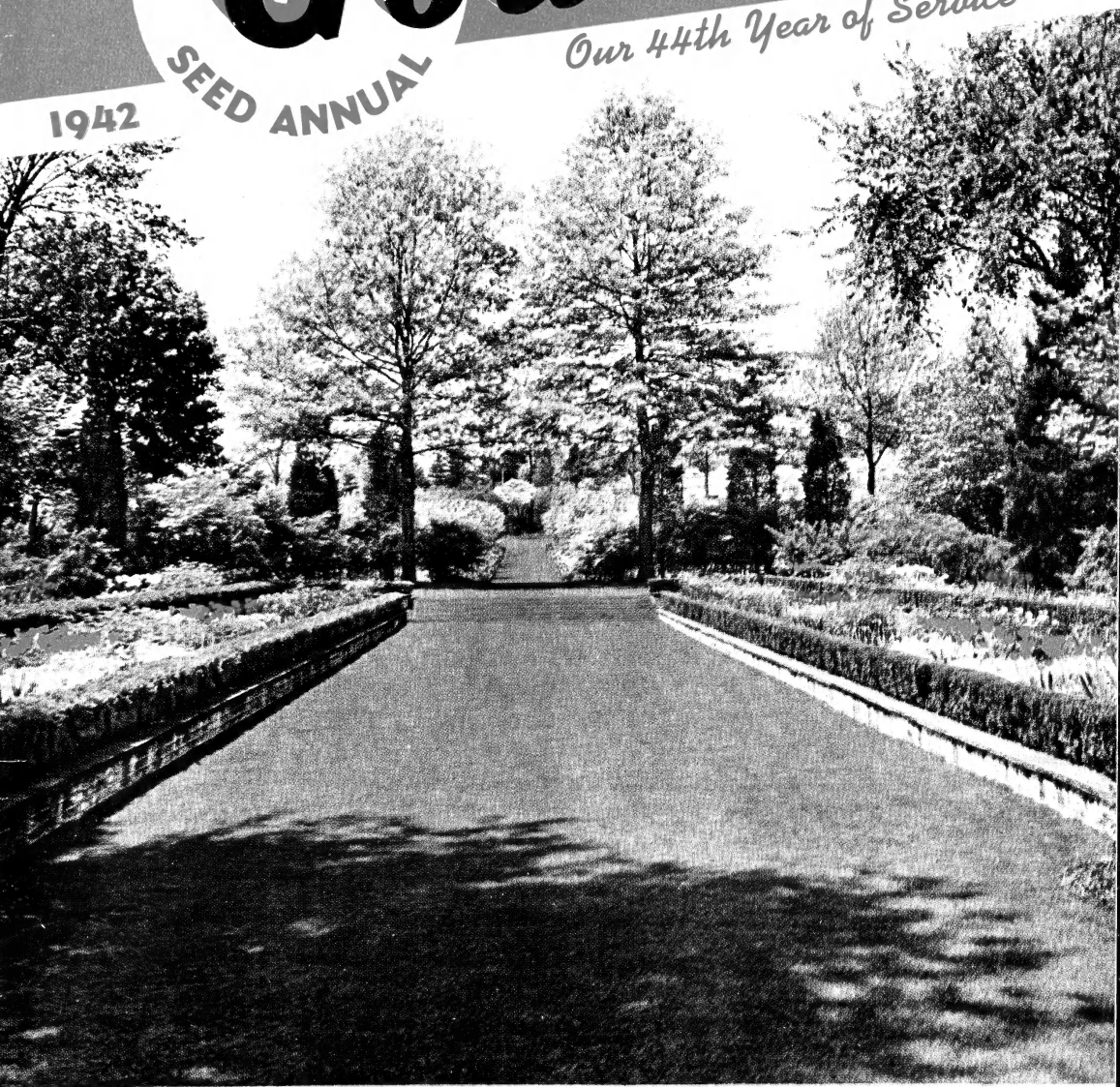
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Gould's

1942 SEED ANNUAL

Our 44th Year of Service



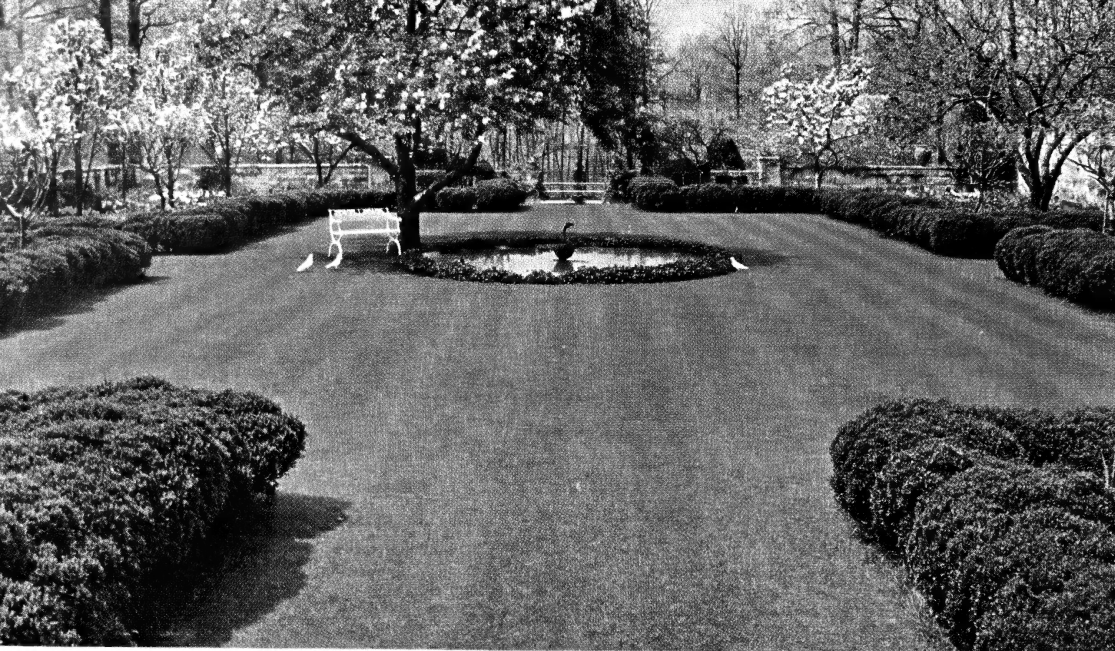
R. L. Gould & Company

Seedsman Since 1898

496-502 JACKSON ST.

Phone
Garfield 5377

ST. PAUL, MINN.



Prices Quoted
Are Not Postpaid

LAWN GRASS SEED

Include Postage
With Mail Orders

A fine lawn is the most important feature of the home grounds. A beautiful lawn not only adds to the value of the home but imparts an air of dignity and refinement. Nothing sets off the house so well as a properly made, well-kept lawn.

To maintain a good lawn, the regular feeding of fertilizer

is necessary in spite of all the seed you may apply. Otherwise the lawn will gradually starve for want of plant food and take on a lifeless appearance; easily subject to winter-killing. Good seed and regular feeding will do wonders in keeping the lawn fresh and green. See special fertilizer page for lawn fertilizers

Gould's Reliable Lawn Grass Seed With Clover

Gould's Reliable Grass Mixture is the result of our many years of experience in the mixing of different grass seeds that will produce a quick, thick permanent sod of deep-rooting grasses to withstand our northern winters. It is composed of clean, heavy seed of the highest purity and vitality. For new lawn, sow at the rate of 1 lb. to 200 square feet.

1 lb. \$0.55	5 lbs. \$2.00	50 lbs. .. \$17.75
2 lbs. 1.00	10 lbs. 3.75	100 lbs. .. 35.00
3 lbs. 1.40	25 lbs. 9.00	

Gould's Reliable Lawn Grass Seed Without Clover

This mixture is identical to the above Lawn Grass Mixture excepting that it contains no clover, but instead an added amount of Blue Grass.

1 lb. \$0.50	5 lbs. \$1.85	50 lbs. .. \$16.50
2 lbs. .... .90	10 lbs. 3.50	100 lbs. .. 32.50
3 lbs. 1.30	25 lbs. 8.50	

Como Park Lawn Grass Seed

This is a mixture of reselected seed for those who want a good low-priced lawn seed. Como Park is not as high grade as Gould's Reliable Lawn Seed but is a good mixture at the price. It will grow quickly and form a permanent sod. Sow at the rate of 1 lb. to 150 square feet, for new lawn. 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.60; 25 lbs., \$6.00; 50 lbs., \$11.75; 100 lbs., \$23.25.

Home Lawn Grass Seed

A mixture of grasses similar to Como Park. Seed at the rate of 1 lb. to 150 square feet, for new lawn. 1 lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.60; 25 lbs., \$6.00; 50 lbs., \$11.75; 100 lbs., \$23.25.

Hormone Treated Reliable Lawn Grass Seed 5c a pound, extra

Hormone treated Lawn Seed induces quicker germination and much more vigorous root and top growth. Gives you a thicker, heavier turf in a very short time—grass with vigor plus.

Gould's Shady Lawn Grass

Where trees or houses shade the lawn the greater part of the day and keep out the sun, it is a problem to get grass to grow. Growing grass in shaded places seems at times almost hopeless, but this is often due to planting the wrong kind of seed. Ordinary grass seed mixtures will not make a good growth where there is a little or no direct sunlight. In Gould's Shady Lawn Grass we have combined a special mixture of those varieties of grass seeds that do well in the shade. Sow at the rate of 1 pound to 200 square feet for new lawn.

1 lb. \$0.65	5 lbs. \$3.00	25 lbs. .. \$11.50
2 lbs. 1.25	10 lbs. 5.50	100 lbs. .. 45.00

Seaside Bent

Seaside is a consistent surface creeping variety. It is of a rather bright green color, and does not grow very tall because of its trailing habit of growth. It spreads rapidly and forms a matlike sod quickly. Sow at the rate of 3 lbs. to 1000 square feet. 1 lb., \$1.35; 5 lbs., \$6.25; 10 lbs., \$12.00; 25 lbs., \$27.50.

Astoria Bent

The Astoria Bent produces underground creepers, usually by rhizomes, several inches deep, and has considerable more upright growth than the Seaside. The grass is somewhat longer and not as wide and of a darker green color. Is better suited to well-drained soils. Seed at the rate of 3 lbs. to 1000 square feet, for new lawn. 1 lb., \$1.35; 5 lbs., \$6.25; 10 lbs., \$12.00; 25 lbs., \$27.50, postage extra.

LAWN SEED PRICES

It is our hope to maintain the prices of Lawn Seed quoted on this and next page at prices listed, but owing to war conditions and uncertainty of replacement costs, all prices are subject to change without notice. Prices on this page show only a slight increase over last year. Same high quality.



Minnesota State Fair, St. Paul. Beautiful grounds seeded with Gould's Lawn Seed Mixtures.

CREEPING BENT GRASS PLUGS

One of the few hybrid strains of Bent Grass that is perfectly hardy here in the Northwest. Needs only ordinary care. These Bent sod plugs should be planted one foot apart. In about three to four months they will spread and make a solid, deep green turf. One carton plants 100 square feet. 1 carton \$1.15; 5 cartons \$5.35; 10 cartons \$10.00.

CREEPING BENT STOLONS

For anyone who prefers to plant stolons, a new lawn can be developed in about three months after planting. Enough for 300-500 sq. ft. \$3.25.

Gould's Terrace Lawn Seed

For embankments, terraces and steep hillsides.

A variety of grasses that grow long, strong, spreading roots so as to withstand heavy rains from washing out the sod or soil. The deep-rooted grasses not only prevent heavy rains from washing it out, but also resist drought to a marked degree. Seed should be sown heavier than recommended for regular mixtures.

1 lb.....\$0.60	5 lbs.....\$2.50	25 lbs.....\$11.25
2 lbs.....1.10	10 lbs.....4.75	100 lbs.....43.00

Special Lake Shore Mixture

This mixture is especially desirable for lake shores and around summer cottages where it is not always possible to give the best of care in establishing a lawn. Seed at the rate of 1 lb. to 200 square feet of new lawn.

1 lb.....\$0.45	5 lbs.....\$1.85	25 lbs.....\$8.00
2 lbs......85	10 lbs.....3.50	100 lbs.....30.00

Prices Due to war conditions, over which we have no control, all prices quoted in this catalog are subject to change without notice.

Nutria Peat Moss For lawns and gardens.

Nutria Peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Makes an excellent top dressing for new or old lawns. Peat is also valuable for use in the garden.

One large bag (about 3 bushels) \$1.25; 2 bags, \$2.25.
1 cubic yard load (equal to 10 bags) \$3.50; 2 cubic yard load, \$5.00, delivered within the city limits of St. Paul.

Black Earth

Genuine, University tested, high mineral earth. Load, more than two yards, \$4.00; delivered in St. Paul.

SOD

We can supply freshly cut sod, in season, in any quantity.

LAWNS. By F. F. Rockwell. It tells how to lay out the lawn, grade, fertilize, plant, care for it after planting, control weeds and pests, remake and repair old lawns. 39 illustrations, 87 pages. \$1.35, postpaid.

White Dutch Clover

This is the best small leaved clover for lawns. Clover adds humus and nitrogen to the soil. Does well on all soils. Especially valuable in lawns that cannot be watered regularly. ¼ lb. 45c; ½ lb. 75c; 1 lb. \$1.25; 3 lbs. \$3.65; 5 lbs. \$5.95; 10 lbs. \$11.75; 25 lbs. \$27.50; 100 lbs. \$100.00. Postage extra on mail orders.

Kentucky Blue Grass

This hardy perennial grass is one of the very best for our Northern climate and the base for most good lawn seed mixtures. Forms a dense sod but is very slow to germinate. It is advisable to mix red top or rye grass with Blue Grass when sowing, to act as a nurse crop. In established lawns Blue Grass can be sown alone. 1 lb. 50c; 2 lbs. 90c; 3 lbs. \$1.30; 5 lbs. \$2.00; 10 lbs. \$3.75; 25 lbs. \$9.00; 100 lbs. \$35.00.

Poa Trivialis

A fine bladed perennial grass of the Blue Grass family that thrives in the shade. 1 lb. \$1.75; 2 lbs. \$3.25; 5 lbs. \$8.00; 10 lbs. \$15.00; 25 lbs. \$35.00.

Red Top

Makes an excellent sod but is not as permanent as Blue Grass when clipped close. Germinates quickly and for that reason makes an excellent nurse crop to sow with Blue Grass. 1 lb. 35c; 2 lbs. 65c; 3 lbs. 95c; 5 lbs. \$1.50; 10 lbs. \$2.90; 25 lbs. \$6.75; 100 lbs. \$24.00.

Rye Grass

A very quick growing grass that makes a green lawn in a short time. Does not live as long as Blue Grass. Used mostly as a nurse crop. 1 lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.00; 25 lbs. \$4.50; 100 lbs. \$16.00.

Chewings Fescue

Produces a mass of fine blades, spreading to a solid, compact turf. Does well in poor or sandy soils and in the shade. Very drought-resistant. 1 lb. \$1.35; 5 lbs. \$5.75; 10 lbs. \$9.50.

Crested Wheat Grass

A hardy perennial and very drought-resistant bunch grass. Grows profusely in cool weather. Ideally adapted for controlling erosion on dry and steep slopes. Deep rooting. Sow at the rate of one pound to 400 sq. ft. 1 lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50; 100 lbs. \$25.00.

Plant Food For Lawns

Grasses are heavy feeders and unless fertilizer is applied regularly, your lawn will actually starve to death. It is easy to keep the lawn healthy and beautiful with one of our special commercial lawn fertilizers, such as Vigoro, Milorganite or Garden & Lawn. Other fine fertilizers will be found on special fertilizer pages in this book. Any that we list can be depended on to please you with the fine results they give.



Our large retail store. Conveniently located near the center of St. Paul's downtown retail district.

Prices Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice. We have endeavored to put in ample stocks on all items listed in this book, but the uncertainty of replacement prices as in normal times, makes it impossible to maintain all prices. We reserve the right to fill all mail orders at prevailing prices, when received. May we urge you to order early, as some commodities may be hard to replace promptly, or at all.

Disclaimer As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, R. L. Gould & Company therefore give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs that they send out, and they will not be in any way responsible for the crop; and every order for articles named in this catalog will be executed on these conditions only. If the purchaser does not accept same on these terms, they are to be at once returned.

Gould's "Food For Freedom" Planting Chart FOR THE SMALL VEGETABLE GARDEN

NOTE—*Denotes the quantity of seed that should raise sufficient plants to transplant into a row 100 feet long. The seed should be sown in hotbed, and later sown in a cold frame, or sow the seed in a well-prepared seedbed in the open when danger from frost has passed.

Variety	Seed required for 100 ft. row	Plant rows apart	Plants apart in rows	Time of planting in open ground	Matures in about
Asparagus, Seed	2 ozs.	1 to 2 ft.	3 to 5 in.	Early spring	3 to 4 years
Asparagus Plants	60 plants	30 to 36 in.	18 in.	Early spring	1 to 3 years
Beans, Bush	1 lb.	15 to 24 in.	2 to 3 in.	April to July	45 to 70 days
Beans, Pole	$\frac{1}{2}$ lb.	3 to 4 ft.	3 to 4 in.	May and June	65 to 90 days
Beets	2 ozs.	12 to 16 in.	3 to 4 in.	April to Aug.	55 to 70 days
*Brussels Sprouts	1 pkt.	24 to 30 in.	16 to 24 in.	May and June	90 to 110 days
*Cabbage, Early	1 pkt.	24 to 30 in.	12 to 18 in.	March and Apr.	65 to 80 days
*Cabbage, Late	1 pkt.	24 to 36 in.	16 to 24 in.	May and June	90 to 110 days
*Carrot	$\frac{1}{2}$ oz.	12 to 15 in.	3 to 4 in. 4	April to June	70 to 100 days
*Cauliflower	1 pkt.	24 to 30 in.	24 to 30 in.	April to June	54 to 70 days
*Celeriac	1 pkt.	14 to 24 in.	$2\frac{1}{2}$ to 3 in.	May and June	120 days
*Celery	1 pkt.	6 in.	4 to 8 in.	May and June	115 to 130 days
Corn, Sweet	$\frac{1}{4}$ lb.	30 to 36 in.	15 to 24 in.	May to July	60 to 100 days
Cucumber	1 pkt.	4 to 6 ft.	4 to 6 ft.	April to July	60 to 80 days
*Eggplant	1 pkt.	24 to 36 in.	24 to 30 in.	April and May	85 to 90 days
Endive	$\frac{1}{2}$ oz.	18 in.	8 to 12 in.	April to July	90 days
*Kale, or Borecole	1 pkt.	18 to 24 in.	18 to 24 in.	August	55 to 60 days
*Kohl Rabi	1 pkt.	15 to 24 in.	6 to 8 in.	March to May	60 to 80 days
Leek	$\frac{1}{2}$ oz.	12 to 16 in.	4 to 8 in.	March to May	120 to 180 days
Lettuce	1 pkt.	10 to 15 in.	6 in.	March to Sept.	45 to 85 days
Melon, Musk	1 pkt.	6 to 8 ft.	Hills, 6 ft.	April to June	80 to 115 days
Melon, Water	1 oz.	8 ft.	Hills, 6 ft.	May and June	70 to 100 days
Mustard	1 pkt.	12 in.	3 in.	March to May	60 to 90 days
Okra, or Gumbo	2 ozs.	3 to 4 ft.	24 to 30 in.	May and June	50 to 60 days
Onion Seed	$\frac{1}{2}$ oz.	12 to 18 in.	1 $\frac{1}{2}$ in.	April and May	102 to 115 days
Onion Sets	2 qts.	12 in.	$1\frac{1}{2}$ to 2 in.	Feb. to May	30 to 60 days
Parsley	1 pkt.	12 to 14 in.	6 in.	Early spring	90 to 120 days
Parsnip	$\frac{1}{2}$ oz.	18 in.	3 in.	April and May	85 to 95 days
Peas	1 lb.	15 to 18 in.	2 in.	March to June	50 to 80 days
*Pepper	1 pkt.	24 to 36 in.	15 in.	May and June	55 to 80 days
Potato, Irish	$\frac{1}{2}$ peck	24 to 36 in.	15 in.	March to June	80 to 140 days
Pumpkin	1 pkt.	8 to 10 ft.	Hills, 8 ft.	May to July	100 to 120 days
Radish	1 oz.	6 to 12 in.	2 in.	March to Sept.	20 to 70 days
Rhubarb Plants	33 plants	3 to 5 ft.	3 ft.	Early spring	1 to 3 years
Rutabaga	1 pkt.	18 to 24 in.	6 to 8 in.	May and June	85 to 95 days
Salsify	1 pkt.	18 to 24 in.	4 in.	Early spring	40 to 50 days
Spinach	1 oz.	12 to 18 in.	4 in.	Early spring	30 to 60 days
Spinach, New Zealand	1 oz.	24 to 36 in.	12 to 18 in.	Early spring	70 days
Squash, Bush	1 pkt.	3 to 4 ft.	Hills, 3 to 4 ft.	April to June	50 to 65 days
Squash, Late	1 pkt.	7 ft.	Hills, 7 ft.	April to June	55 to 110 days
Swiss Chard	1 oz.	16 in.	1 oz.	April	60 days
*Tomato	1 pkt.	3 to 4 ft.	18 in.	May and June	95 to 130 days
Turnip	1 pkt.	18 in.	3 in.	April to July	45 to 70 days
Witloof Chicory, or French Endive	$\frac{1}{2}$ oz.	12 to 15 in.	3 to 4 in.	April and May	Fall and Winter

ASPARAGUS SEED

CULTURE. To start an asparagus bed from seed, sow 1 oz. to 50 feet of row early in the spring and transplant roots to permanent bed the following spring.

Mary Washington★

The best of the rust-resistant varieties introduced by the U. S. Department of Agriculture. A very vigorous grower, producing large succulent stalks of excellent quality. State Agricultural Colleges throughout the country recommend the Mary Washington as the best variety for the home or market gardener. Shoots color to a dark green with purple shades at tip. **Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 75c.**

PRICES: Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

Asparagus Roots Listed on Page 42.

Maturity Figures

After the name of most vegetable varieties you will find figures representing the approximate number of days required to mature the plants, from the time of planting the seed to the time the vegetables are ready to eat.

BEANS

CULTURE. To obtain a continuous supply of beans throughout the season, make plantings every two weeks from about May 10th to July 1st. Beans should be planted in rows 15 to 18 inches apart, thinning in the row to 3 or 4 inches apart. Do not cultivate or pick beans when plants are moist from dew or rain as this causes the spread of rust or Anthracnose, thereby curtailing the production. Plant about 1 to 2 inches deep depending upon the condition of the soil.

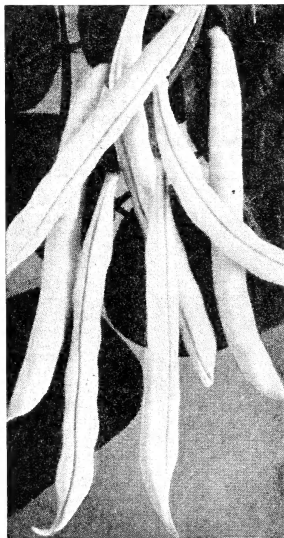
DWARF WAX VARIETIES

Currie's Rust Proof Black Wax★

45 TO 50 DAYS. Very early and a good yielder. The pods are large, flat and straight, free from rust and of excellent quality. A good shipping bean. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Unrivalled, or Everbearing Wax★

53 TO 55 DAYS. A hardy and prolific mid-season variety. The vines are small and compact, producing a heavy crop of handsome, pale yellow, long, semi-round pods of highest quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**



Gould's Reliable Kidney Wax Beans

DWARF GREEN PODDED VARIETIES

Bountiful★ 48 days

One of the earliest of the green podded beans. The pods are large, flat and slightly curved, of a light green color and stringless. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Black Valentine★ 49 days

Pods are round, nearly round, straight and of good quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

Full Measure★ 52 days

A very fine round stringless green podded bean. The pods are long and straight, showing depressions around the beans which are round and tender. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

Longfellow★ 54 days

An early, round, long, slender green pod, very tender and brittle. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

Refugee or 1000 to 1★ 70 days

A very productive, hardy, late variety. Pods are long, semi-round and slender, very much in demand for late market. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

PARCEL POST RATES FROM ST. PAUL

On 8 oz. or less of seeds, plants or bulbs, the rate is 1c for each 2 oz., for other goods, 1½c for each 2 oz.; regardless of distance. Rates for packages over 8 oz., given below. Weight limit 70 lbs., any zone.

	First pound or fraction	Each additional pound or fraction
Local, St. Paul.....	7c	1c(2 lbs.)
First & Second Zone within 150 miles	8c	1.1c
Third Zone within 150 to 300 miles..	9c	2.9c
Fourth Zone within 300 to 600 miles..	10c	3.5c
Fifth Zone within 600 to 1,000 miles..	11c	5.3c
Sixth Zone within 1,000 to 1,400 miles	12c	7c
Seventh Zone within 1,400 to 1,800 mi.	14c	9c

Market Gardeners and Florists

We do not issue a separate Market Gardener's catalog and price list, but we list larger amounts than the small gardener buys, and these quantity prices are intended for the market gardener. Special flower seed price list for florists will be sent on request.

Gould's Reliable Black Wax★

53 TO 55 DAYS. This is an early wax bean for the market. The pods are 6½ inches long, flat, straight and stringless. It is a good yielder and attractive. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Gould's Reliable Kidney Wax

52 TO 55 DAYS. An excellent early, finest quality, round podded variety for the home garden and canning. It is very tender and absolutely stringless. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.50; 100 lbs., \$25.00.**

Improved Golden Wax 48 to 50 days

A well-known home garden variety. Bears an abundance of large semi-flat pods slightly curved. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Pencil Pod Black Wax 52 to 55 days

One of the best, long, round podded varieties; very early and prolific, stringless and of excellent quality. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Davis Kidney Wax 52 to 55 days

Pure white, of kidney shape, producing a large, flat, straight pod of fine appearance. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.10; 100 lbs., \$18.00.**

Plentiful★ 48 days

(An All American Winner). This is a green, flat-podded bush bean, an improved variety of the Bountiful type. Pods are brittle stringless, straight and 7 inches long under normal conditions. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.25; 100 lbs., \$20.00.**

Stringless Black Valentine 49 days

Similar to Black Valentine except that the pods are slightly more oval in shape and are entirely free from strings. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

Stringless Green Pod 53 days

The finest green bean for home garden use. Has green pods, which are perfectly round, straight, tender, brittle and entirely stringless. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**

Giant Stringless Green Pod★ 55 days

An excellent variety to follow Stringless Green Pod, being later and larger with heads and is a heavy producer. **Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00; 100 lbs., \$17.00.**



Stringless Green Pod Beans
See Page 3

POLE BEANS

CULTURE. Pole varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. A packet plants 15 hills; 1 lb., 100 hills.

Kentucky Wonder or Old Homestead 65 days

This climbing variety is very vigorous and productive and bears its pods in large clusters. The pods are green and almost round, often measuring 8 to 10 inches long. They are stringless, very tender and bear all summer. Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.

Kentucky Wonder Wax

63 DAYS. Similar to the green-podded Kentucky Wonder, but pods are broader and light yellow. Pkt., 10c; ½ lb., 25c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.

Scarlet Runner

A bean that is edible as well as ornamental. It is a fine climber, quick growing. Pkt., 10c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 10 lbs., \$3.00.

Bansei Edible Soy Beans

Differ radically from the field varieties in that they produce a valuable and palatable human food. Highly esteemed as a food for diabetics. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.

LIMA BEANS

CULTURE. Limas should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. The Pole Limas yield heavier.

Burpee's Improved Bush Lima*

75 DAYS. The most popular of the Bush Lima type. Bushes grow 18 to 24 inches high, two to three feet in diameter. The pods contain 4 or 5 large, white beans. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.

Fordhook Bush* 75 days

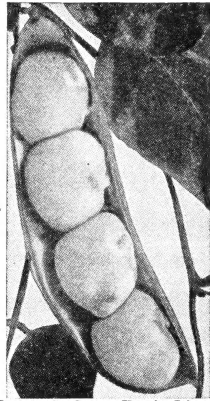
Exceedingly popular with market gardeners. The pods are about 5 inches long, each having 4 or 5 large, oval-shaped, white beans of fine quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.50.

Henderson's Bush

A vigorous, hardy, very early Bush Lima. Beans are small, white and of very good quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.

King of the Garden Pole Lima*

The vines are very vigorous and prolific. Pods are of large size filled with 4 or 5 large white beans of very fine quality. A popular market garden variety. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 50c; 10 lbs., \$2.00.



Burpee's Imp. Bush Lima

FIELD BEANS

CULTURE. Beans thrive on most all soils, but better results are gained by the liberal use of fertilizer or planting in light, rich, well-drained loam. Beans are extremely sensitive to frost and moisture.

Brown or Swedish

This is a fine field bean of a light brownish color and medium size. Very fine for baking. ½ lb., 15c; 1 lb., 25c; 10 lbs., \$1.60; 50 lbs., \$7.00.

Choice Navy

This is a much improved strain of the old popular white baking bean. It is smaller in size and more round, but is highly recommended on account of its heavy yield and disease-resistant quality. ½ lb., 10c; 1 lb., 20c; 10 lbs., \$1.50; 50 lbs., \$5.50.

Great Northern

A large navy bean which is giving splendid results. The seed is large, flat, and slightly kidney shaped. It is a fine baker and is sometimes used as a small lima. ½ lb., 10c; 1 lb., 20c; 10 lbs., \$1.50; 50 lbs., \$5.50.

Beans are postpaid only in packets. In larger amounts add postage at the Parcel Post rates given on page 3.

BEETS

Authorities recommend beets most highly for their vitamins as well as for their rich mineral and tonic properties.

CULTURE. Any well-prepared light garden soil will produce good beets, although a rich, sandy loam brings the best results. Sow the seed about 1 inch deep in rows 15 to 18 inches apart. When plants are about 6 inches high, they should be thinned to 3 or 4 plants to the foot. Those taken out at this time make excellent greens.

Crosby's Egyptian*

A splendid extra early beet of slightly flattened globe shape. It is sweet and tender and a much desired table beet, the color deep red with some light zoning. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Detroit Dark Red*

This well-known variety is very popular among market gardeners and canners as well as being an ideal variety for the home garden. The roots are very dark red in color, uniform in shape and of excellent quality. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

Edmand's Blood Turnip 60 days

A fine appearing turnip-shaped blood beet. Skin and flesh are of a deep red. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Early Wonder*

An extra early beet of special merit. Roots are nearly globe shaped, slightly flattened; skin dark red, flesh deep blood red with very little zoning, and of finest quality. Tops are small and ideal as a bunching beet. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Gould's Early Bunching Beet*

An outstanding variety that matures earlier than any other variety. The color is deep dark red all the way through without zoning. Roots are smooth, perfectly globular, of uniform shape and size, with slender tap roots. Tops are medium and just right for bunching. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Gould's Reliable Red Beet*

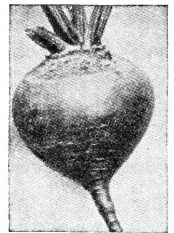
Is especially selected for its uniformity in size, shape and color, being a very dark red. We do not hesitate to recommend it either for market or home garden. It grows to a large size and is unsurpassed as to quality. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.

Swiss Chard or Spinach Beet

This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad, white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a most delicious vegetable. Cook leaves like spinach. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.

Giant Lucullus Swiss Chard

The largest and the favorite of the Chard family. The leaves are very large and curly and make a very attractive dish when cooked up as greens. Pkt., 5c; oz., 25c; ¼ lb., 70c; 1 lb., \$2.00.



Detroit Dark Red Beet



Inoculate beans with Nitratin. Greatly improves the vigor of the plants and increases yield immensely. Garden size 10c.

MANGEL-BEETS (For Stock Feeding)

CULTURE. Sow six pounds to the acre in rows three feet apart, and thin to nine inches in the row. Seed should not be sown until the ground is warm and the weather fully settled. Shallow planting is desirable because the seed germinates more quickly and a larger proportion will make vigorous plants than when planted deeply. Deeper planting will be required on sand lands or when the soil is dry. Cultivation should begin within a day or two from planting. Sow one inch deep. Mangels, when fed in combination with grain, are worth almost as much, pound for pound, as the grain. Experience has proved that mangels so aid digestion and assimilation, by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed beside the nutrients the roots contain. Mangels, when fed to cows, materially increase the flow of milk.



Improved Mammoth Long Red Mangel

Giant Red Eckendorf 105 days
The roots are red in color, smooth, long and cylinder shaped. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Giant Yellow Eckendorf
105 DAYS. Is very similar to the Red Eckendorf, excepting that the color is yellow. A fine variety. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Golden Tankard 102 days
It combines all the fine points possible to condense into a mangel. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Imp. Mammoth Long Red
110 DAYS. Is a selection of the very best type of long red mangel. The roots are extra large, often 20 to 24 inches in length, weighing from 14 to 20 lbs. Roots are uniformly straight and well formed, the flesh is white tinged with rose. Easily harvested as roots grow ½ inch or more out of the ground. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Prices Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

Mammoth Golden Giant 110 days
Grows very large, yet it has a very fine, even shape and smooth skin. Flesh is white, firm and sweet. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Giant Feeding Half Sugar 90 days
Is a very large growing sugar beet. A heavy yielder, an excellent feeder, but is not fit for sugar production. Yields nearly as heavy as do other mangels, but supplies for stock feeding a food of very much higher nutritive value. A most excellent feed for stock and poultry. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

Gould's Reliable Sludstrup Barres 110 days
Has been recognized by the British Government as having the largest per cent of nutriment found in any sort. It is a reddish yellow color, is very hardy and grows well above ground, making it easy to pull. Pkt., 10c; 1 oz., 20c; ¼ lb., 50c; 1 lb., \$1.50.

SUGAR BEETS

Gould's Reliable Sugar Beet 90 days
We consider this to be one of the very best sugar beets for sugar production. Is rich in sugar content. Pkt., 10c; oz., 35c; ¼ lb., 85c; 1 lb., \$2.75.

BROCCOLI

Italian Green Sprouting 70 days
A delicious vegetable, with a distinctive flavor. Cook and serve the same way as Asparagus or Cauliflower. Forms a large, compact, bluish-green head. After this is cut, the plant produces numerous tender side shoots, each bearing a small head. Continues to bear from 8 to 10 weeks. Pkt., 15c; oz., 55c; ¼ lb., \$2.50.

BRUSSELS SPROUTS

Long Island Improved 90 days
Small heads or sprouts about one to two inches in diameter form on the stocks at each leaf joint. These may be boiled or creamed like cabbage or cauliflower. Pkt., 10c, oz., 60c; ¼ lb., \$2.00.

CABBAGE

YELLOWS RESISTANT VARIETIES LISTED ON PAGE 6.

CULTURE FOR EARLY CABBAGE. Seed of the early varieties should be sown ¼ of an inch deep in a greenhouse, hotbed, or in boxes in the house, about 6 weeks before the plants are needed for planting out.

If, when the second leaves appear, the plants can be transplanted, spacing them 3 inches apart, better and more hardy plants will be obtained.

As soon as the soil can be worked in the spring the plants should be removed to the open field and set in rows 2 feet apart each way.

CULTURE FOR LATE CABBAGE. The seed may be sown in rows 1 foot apart or broadcast in the garden, about the middle of May, and the plants set in the field in June.

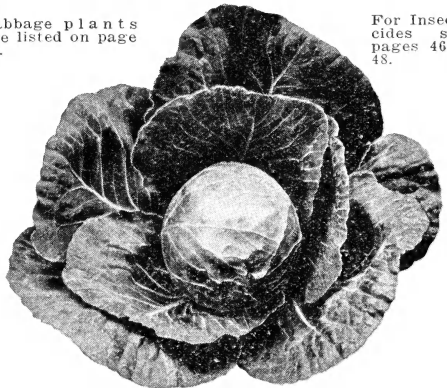
Early Jersey Wakefield 62 to 65 days
The earliest cabbage grown. Heads are very solid and conical in shape with very few outside leaves, which permits closer planting. Pkt., 5c; oz., 45c; ¼ lb., \$1.35; 1 lb., \$4.00.

Golden Acre 63 to 65 days
An early round head variety of the Copenhagen Market type, which heads up a full week to ten days ahead of Copenhagen. This excellent variety heads very uniformly, producing a hard head which does not burst easily and which stands shipment well. This is one of the most valuable contributions to our list of cabbage varieties which has been made in recent years. Pkt., 5c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.

Copenhagen Market 68 days
Heads grow upon a short stem, are solid and large, often weighing from 8 to 12 pounds. It is the largest of the early round-headed varieties. Its quality is extra fine and sweet. The leaves are light green, rather small, saucer-shaped and tightly folded. Pkt., 5c; oz., 55c; ¼ lb., \$1.65; 1 lb., \$5.00.

Cabbage plants are listed on page 18.

For Insecticides see pages 46 to 48.



Copenhagen Market Cabbage

Early Summer 73 to 76 days
Deservedly popular with market gardeners throughout the country. The heads are large and solid, weighing 8 to 10 pounds each. Pkt., 5c; oz., 60c; ¼ lb., \$1.75; 1 lb., \$5.25.

All Seasons 85 to 90 days
Is an old standard and true to its name. It does well planted at all seasons. An excellent variety for fall and winter use. The heads are somewhat flattened but nearly round, very solid and of fine quality. The plants are very vigorous and are noted for withstanding the hot sun or a long dry spell. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$1.50.

Late Flat Dutch 95 to 105 days
A low growing variety, heads large, bluish-green, round, solid, broad and flat on top. An excellent fall and winter variety, and a good keeper. Pkt., 5c; oz., 45c; ¼ lb., \$1.35; 1 lb., \$4.00.

Drumhead Savoy 95 to 105 days
The best of the Savoy or curly leaf type of cabbage. Produces a large solid head upon a short stem. It is very sweet and delicious especially after being touched by frost. A good winter keeper. Pkt., 5c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.

Use Gould's Pyrocid, a non-poisonous insecticide on your cabbage plants.

CABBAGE—Continued

Mammoth Red Rock

100 days

Heads are of a deep red color to the very center. A hard heading variety, producing heads 10 to 15 pounds each. Pkt., 5c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.

Holland*

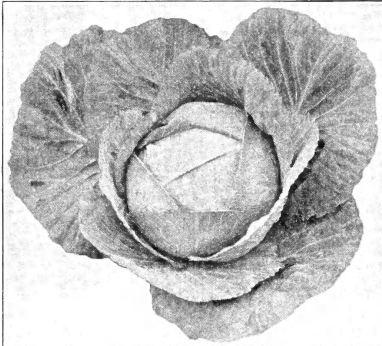
100 to 105 days

The standard winter cabbage, and most remarkable late variety, for storage or shipping purposes. The head is deeper than it is wide and of excellent quality. Pkt., 5c; oz., 50c; ¼ lb., \$1.45; 1 lb., \$4.25.

Danish Ballhead*

100 to 105 days

This is one of the most largely grown varieties for fall shipping and winter keeping. It is large, round and solid. Pkt., 5c; oz., 50c; ¼ lb., \$1.45; 1 lb., \$4.25.



Danish Ballhead Short Stem

Danish Roundhead*

100 to 105 days

Is an improved strain of the Danish Ballhead, being slightly earlier, shorter stemmed and heavier. It is less liable to blight and is an excellent keeper. Pkt., 5c; oz., 50c; ¼ lb., \$1.45; 1 lb., \$4.25.

YELLOWS RESISTANT VARIETIES

Resistant Detroit*

65 to 68 days

A yellows resistant, round variety, very similar to Golden Acre. Season about the same as Golden Acre. Pkt., 10c; oz., 70c; ¼ lb., \$2.00; 1 lb., \$6.00.

Marion Markets*

75 to 80 days

It is a selection from Copenhagen Market, is very resistant to cabbage yellows; round head and of high quality. Pkt., 5c; oz., 60c; ¼ lb., \$1.75; 1 lb., \$5.25.

All Head Select*

80 days

A yellows resistant cabbage that is two weeks earlier in season than Wisconsin All Seasons. This cabbage was secured by selection from All Head Early. Pkt., 5c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.

Wisconsin All Seasons*

90 to 95 days

A yellows resistant strain of All Seasons. This is a short stem drumhead type of cabbage, with a reputation for heading uniformly and heavy yielding. Pkt., 5c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.

Bugner*

100 days

A large, late, yellows-resistant strain of the Ballhead type; semi-round and very hard. Heads weigh 8 to 10 pounds; are heavy yielders and good keepers, well adapted for kraut, late market or storage. Pkt., 10c; oz., \$1.00; ¼ lb., \$3.15; 1 lb., \$9.50.

Red Hollander*

100 days

We are now able to offer our customers a yellows resistant strain of red cabbage. This strain is of good color, hard, ball-shaped head and a heavy yielder. Good for mid-season or late crop. Pkt., 10c; oz., 80c; ¼ lb., \$2.35.

Wisconsin Hollander No. 8*

100 to 110 days

A very fine strain of yellows resistant cabbage, a selection from Danish Ballhead, but forms a larger head with rather tall stem. A heavy yielder. Head tends to flatten at maturity. Pkt., 5c; oz., 65c; ¼ lb., \$1.90; 1 lb., \$5.75.

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

We are headquarters for cabbage plants during May and June. Prices in quantities quoted on request, or call if convenient.

CHINESE or CELERY CABBAGE

Is a delicious salad plant. It thrives best during the cooler part of the growing season, consequently is generally planted as a fall crop, usually during July. Seed should be sown where crop is to mature and the plants thinned to stand about 15 inches apart in the row.

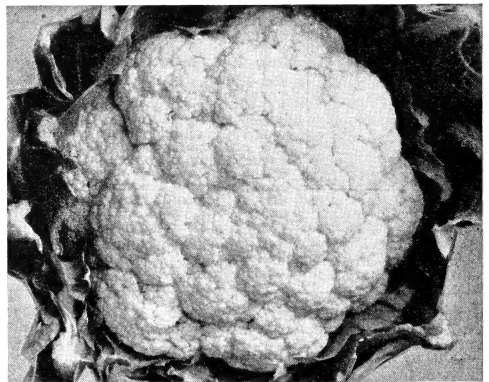
Improved Chihili (Pe Tsai)

75 to 80 days

This is the very finest of the Chinese Cabbage. The heads are long and slender, weighing from 2 to 5 pounds each. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

CAULIFLOWER

CULTURE. For early use, the seed should be sown indoors either in a greenhouse, hotbed or in the house about six weeks before setting out. Sow the seed ½ to ¾ of an inch deep. When plants are one or two inches high they can be transplanted to about 3 inches apart, thereby developing into stronger plants. As soon as the soil can be worked and pulverized, the plants may be set out in the open field 2 to 2½ feet each way.



Ball O'Snow Cauliflower

Ball O'Snow*

58 days

A more vigorous type of the Snowball variety, producing larger, pure white heads of great depth, weight and unexcelled white color. This new super strain matures early. Try some of this remarkable Cauliflower this year. Pkt., 25c; ¼ oz., \$1.75; ½ oz., \$3.00; 1 oz., \$5.50; ¼ lb., \$19.00.

Snowball*

56 days

The most popular variety for early and general crop. Produces nice snow-white heads 6 to 8 inches in diameter, of extra fine flavor. Is considered a standard by the market gardener, also very desirable for the home garden. Pkt., 25c; ¼ oz., \$1.65; ½ oz., \$2.50; 1 oz., \$5.00; ¼ lb., \$18.00.

Snowdrift*

58 days

One of the best varieties of Cauliflower for the Market Gardener. It is early, large and makes a beautiful solid white head of excellent quality. Matures with great evenness. Pkt., 25c; ¼ oz., \$1.75; ½ oz., \$3.00; 1 oz., \$5.50; ¼ lb., \$19.00.

Super Snowball*

57 days

One of the best varieties for general market crop. It is early, a sure cropper and very attractive. Pkt., 25c; ¼ oz., \$1.65; ½ oz., \$2.50; 1 oz., \$5.00; ¼ lb., \$18.00.

Danish Giant or Dry Weather

67 days

A larger and later variety that is generally planted for a fall crop. It will stand the dry weather of summer better than any other variety. Delicious flavor and of fine quality. Pkt., 25c; ¼ oz., \$1.65; ½ oz., \$2.50; 1 oz., \$5.00; ¼ lb., \$18.00.



CARROTS

CULTURE. For the best results the soil should be well worked to a good depth. For early use sow seed in rows 15 inches apart as early in the spring as the soil can be worked, sowing about 2 lbs. of seed per acre and cover the same with $\frac{1}{2}$ inch of soil; but for main crop, sow about corn planting time, using 3 lbs. of seed per acre and the seed should be covered with nearly an inch of soil. One ounce of seed will sow 200 feet of row. Make the rows two feet apart to allow for cultivation. When the plants are 3 inches high thin to 3 inches apart in the row.

Chantenay★ (Select Stock) 68 days

The Chantenay Carrot has been the favorite with the market gardeners for many years. Our select seed is recommended as best for general use. The flesh is of a beautiful orange color and of fine texture, tender and very sweet. **Pkt. 5c; oz. 55c; $\frac{1}{4}$ lb. \$1.65; 1 lb. \$5.00.**

Improved Danver's Half Long★

75 days

Half Long Scarlet Nantes Carrot

Is a well-known stump rooted variety. The root is of a rich dark orange color, smooth and heavy yielding, making it very desirable for both marketing and stock feeding. Roots will grow to 7 or 7 $\frac{1}{2}$ inches in length. This is an excellent bushel carrot and one of the most popular of American varieties. Grows a little longer and larger than Chantenay. **Pkt. 5c; oz. 55c; $\frac{1}{4}$ lb. \$1.65; 1 lb. \$5.00.**

Coreless

65 days

This variety of exceptional quality is recommended for its earliness, sweet mild flavor and uniformity in shape. The roots are cylindrical, very smooth, average about 6 to 7 inches in length. The flesh is an attractive rich red orange color, sweet and tender, entirely devoid of stringiness. Keep well. **Pkt. 5c; oz. 65c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$6.00.**

Half Long Scarlet Nantes★

65 days

Coreless, brittle, and fine grained with mild sweet flavor. Roots are of reddish orange color, and 6 to 7 inches long when mature. It is one of the finest carrots grown for market or the home gardener. **Pkt. 5c; oz. 65c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$6.00.**

Oxheart or Guerande

72 days

Earlier than the Danver's but not so long. It will produce a large thick carrot that can be very easily lifted from the ground. The flesh is bright orange, fine grained and sweet, roots growing to a length of about five inches long when mature. **Pkt. 5c; oz. 55c; $\frac{1}{4}$ lb. \$1.65; 1 lb. \$5.00.**

Oregon Chantenay★

72 days

A special strain selected from Chantenay which produces very smooth roots about one inch longer than regular Chantenay and of more even diameter the whole length of the carrot. It has proven popular with market gardeners and shippers. It is the best carrot for early bunching and is rapidly becoming popular where it has been tried. The roots are of deep orange color with small uniform core. **Pkt. 5c; oz. 55c; $\frac{1}{4}$ lb. \$1.65; 1 lb. \$5.00.**

Imperator★

74 days

Very attractive roots 7 to 8 inches long, slightly tapering. Sloping shoulder with slender tops firm enough to bunch well. The color is deep orange which extends to the center with a very small core. Specially adapted to peat land. Sow late for fall crop. **Pkt. 5c; oz. 65c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$6.00.**

Improved Long Orange

85 days

A heavy yielder for light soils when roots may be easily dug. Roots are orange scarlet, fairly thick and as a rule grow entirely underground, thus having no green shoulder. Are from 10 to 12 inches long when matured. **Pkt. 5c; oz. 65c; $\frac{1}{4}$ lb. \$2.00; 1 lb. \$6.00.**

Large White Belgian or Mastodon

90 to 100 days

For stock feeding. The largest producer of all carrots, one root often measuring 15 to 20 inches in circumference. It will produce as high as 20 to 30 tons per acre. Very fine for all kinds of stock, but is not for table use. **Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.**

Victoria or Yellow Belgian (Stock Feeding)

90 TO 100 DAYS. A large yellow stock carrot by far the largest yellow carrot grown. The roots are exceptionally fine for all kinds of stock feeding, possessing high feeding properties. It is a heavy cropper on all kinds of soil, but is especially adapted for rich, sandy loam. **Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; 1 lb. \$1.50.**

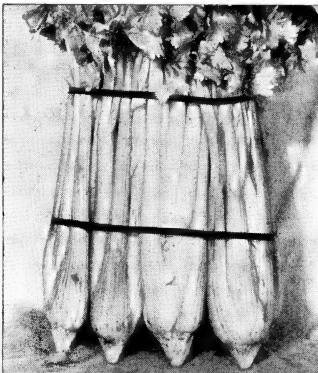
CELERIAC

CULTURE. Celeriac seed may be treated the same as celery until outdoor planting. Plant in rows 14 inches apart, 3 or 4 inches apart in the row.

Large Smooth Turnip Rooted

120 days

The best there is. This vegetable deserves a wider recognition by growers or home gardeners. Is fine for flavoring soups, or roots may be cooked up creamed. **Pkt. 5c; oz. 55c; $\frac{1}{4}$ lb. \$1.65; 1 lb. \$5.00.**



CELERY

CULTURE. For early crop seed should be sown indoors in February or March. The surface of seed bed should be covered with sand to hold moisture without becoming crusted. When seedlings are big enough to handle they should be transplanted to develop the roots and harden the tops. Plant out in the open when danger of severe frost is past and the soil can be worked up properly.

Gould's Reliable Self Blanching Celery

Gould's Reliable Self Blanching★

115 to 125 days

The seed is of French grown stock which has been brought to its present high standard of perfection after many years of careful selection. The stalks are tender, brittle and very fine flavored. It is almost double the size of the common strain. **Pkt. 10c; oz. \$1.00; $\frac{1}{4}$ lb. \$3.00; 1 lb. \$10.00.**

Giant Pascal★

135 days

This is a late winter variety of the green type of Celery. The plants grow 36 to 40 inches in height; color of stalks and leaves is green. One of the best quality Celery types and has an excellent nutty flavor. **Pkt. 10c; 1 oz. 35c; $\frac{1}{4}$ lb. \$1.00; 1 lb. \$3.50.**

Salt Lake or Utah

125 to 130 days

Salt Lake grows to a good height and produces stalks that are crisp and tender with a delicious flavor. This celery will bleach much quicker than any other green variety. It is also very desirable for late storing. **Pkt. 10c; oz. 75c; $\frac{1}{4}$ lb. \$2.25; 1 lb. \$7.50.**

White Plume

112 to 115 days

The earliest celery grown. It is hardy and requires very little effort to produce, also very little time for blanching. **Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; 1 lb. \$2.50.**

CELTUCE

A new vegetable from far-off China. It is a distinct species of lettuce, but is different from ordinary lettuce in its growth and uses. The young leaves may be eaten as a salad or cooked as "greens." The center stalk, after outer skin is removed, may be eaten raw or cooked like celery or asparagus. Celtuce is delicious with a taste slightly suggesting that of celery, but different and milder. **Pkt. 15c.**

CHIVES

Are hardy perennial plants of the onion type. The tops are used for flavoring. Quicker results are obtained by setting out plants than by seeding as seedlings will not do much the first year, while the sets or plants will multiply very rapidly. **Pkt. 10c; oz. \$1.50.**

CHICORY

Used as a winter salad. May be used as a Cos Lettuce, and is delicious when served with salad dressing. The plants form long parsnip-shaped roots that are lifted in the fall, trimmed of leaves, and stored in soil in a cool place until wanted for forcing. **Witloof. 150 days. Pkt. 10c; oz. 80c; $\frac{1}{4}$ lb. \$2.35.**

SWEET CORN

CULTURE. Have your soil well prepared but do not plant sweet corn until the ground is warmed up thoroughly. Then the early varieties may be planted in hills 30 inches apart both ways while the later varieties should be planted 3 to 3½ feet both ways. Plant 5 or 6 kernels to the hill from 1 to 2 inches deep.

SWEET CORN PRICES: 25 lbs. and up at 100 lb. rate.

Kingscroat Hybrid★ (8 Row Single Cross M-13) 72 days

This is a true hybrid from inbreds developed out of Extra Early Golden Bantam. Very uniform in maturity. This yellow ear is long for an early corn, averaging about 6½ inches. Has a high sugar content and excellent quality. It has been one of the outstanding early 8-row hybrids tested with the market gardeners during the past three years. **Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 2 lbs. 90c; 10 lbs. \$4.00; 100 lbs. \$35.00.**

Earliest Golden Sweet★ 70 days

It is as large as Golden Bantam. The stalk height is about 5 feet and ear length about 10 inches; 8 rowed. This yellow color, excellent quality. The extreme earliness and excellent quality make it outstanding. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Early Golden Market★ (Golden Hummer) 72 days

An Early yellow Sweet Corn that is very popular with the Market Gardeners. It is later than Sunshine and about one week earlier. It is also a good yielder. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Golden Sunshine★ 70 to 76 days

In this corn of rich golden color we find a fine sweet variety maturing a week or ten days earlier than Golden Bantam. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Marcross Hybrid C 6 x 13★ 76 days

This single cross is a good early, wilt-resistant, large eared yellow variety. Ears 10 to 14 rowed, 6½ to 7 inches long, kernels medium yellow. **Pkt. 10c; ½ lb. 30c; 1 lb. 50c; 2 lbs. 85c; 10 lbs. \$3.50; 100 lbs. \$30.00.**

Hybrid 8 Row Blend 70 to 85 days

This is a blend of five different well known named Hybrids, primarily for home gardens. There is a spread of ten days to two weeks in picking dates. The stalk height and ear type are similar all the way through. **Pkt. 10c; ½ lb. 20c; 1 lb. 35c; 2 lbs. 60c.**

Trent Sweet Corn Seed with Semesan Jr. Makes early planting safer, improves quality and crop yields. See page 48 for Semesan prices.

Golden Bantam★ 80 days

Recognized by most everyone as the sweetest corn grown. It produces a fair sized ear of beautiful golden yellow kernels. May be planted at intervals of two weeks until July 1st. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Early Golden Giant★ 90 days

Because of the extreme tenderness, combined with the rich exquisite sugary flavor, the Golden Giant has become the standard of perfection for sugar corn. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Black Mexican 92 days

This sweet corn is the sweetest of all and is noted for its delicious flavor and fine grain qualities. The ripe kernels are bluish-black. **Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 2 lbs. 50c; 10 lbs. \$2.00; 100 lbs. \$18.00.**

Golden Giant Evergreen★ 90 days

A large yellow sweet corn. The ears are 8 to 9 inches long and contain 12 to 14 rows of beautiful yellow kernels. The flavor is very much like Golden Bantam. Matures about 10 days later. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Golden Giant Evergreen

Early Evergreen

Produces large white ears of extra fine quality, which mature about 10 to 15 days ahead of Stowell's Late Evergreen. We recommend it very highly for both home and market gardens. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Golden Colonel (Golden Country Gentleman) 91 days

Received Award of Merit in the 1936 All-America Vegetable selections. Golden Colonel is identical to Country Gentleman in every respect except for its bright yellow color. **Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 2 lbs. 50c; 10 lbs. \$2.00; 100 lbs. \$18.00.**

Country Gentleman 93 days

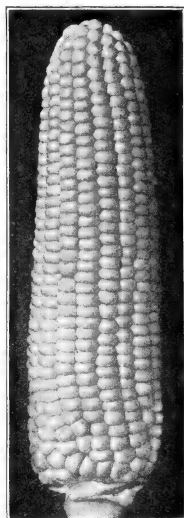
A great favorite for the home garden. It does not grow very large but the white kernels being very deep and packed so tightly together that the food value from one ear is almost as great as that on larger ears. The flavor is delicious. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

Stowell's Late Evergreen 98 days

The best known and most popular late variety. Its large ears with long deep white kernels of a rich sugary flavor cannot be surpassed. **Pkt. 10c; ½ lb. 15c; 1 lb. 25c; 2 lbs. 45c; 10 lbs. \$1.75; 100 lbs. \$16.00.**

POP CORN

CULTURE. Sow in rows 3 feet apart, 2 to 3 inches deep, as soon as danger of frost is over at the rate of 4 to 6 pounds to the acre, or 1 ounce to 40-foot row. Thin plants to 10 to 12 inches in the row. Care in curing determines popping qualities.



Stowell's Evergreen

Gould's South American

This variety has become very popular. The kernels are nearly round and deep orange in color. When popped the kernels are nearly twice the size of other corn and are of a creamy yellow color. Popped kernel has no hard center. The stalks grow 6 to 8 feet high and produce 2 to 3 large ears on each stalk. **Pkt. 10c; 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50; 25 lbs. \$3.00.**

Minihybrid 250

A hybrid hullless white popcorn developed by the University of Minnesota, which is more vigorous and produces better and more uniform popping corn. **Pkt. 15c; ½ lb. 25c; 1 lb. 45c; 5 lbs. \$2.00; 10 lbs. \$3.50; 25 lbs. \$7.50.**

Gould's White Dwarf Hullless

Very tender and almost hullless. Ears are short and chunky. Although the kernels are very small they pop to large size, being very tender and brittle. **Pkt. 10c; 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50; 25 lbs. \$3.00.**

Prices Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

COLLARDS

A tall loose-leaved plant that does not form heads, but leaves similar to cabbage or kale. It is used as greens for the table. Sow seed thickly and transplant when 4 inches high. Thin to 2 to 3 feet apart in the row.

Georgia or Southern 80 days

Grows about 2 to 3 feet tall, producing large light green leaves. Light frost improves the crop. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

CRESS

CULTURE. Sow seed thickly in shallow drills 12 inches apart in the spring, and for a succession every two weeks. One oz. of seed required for 200 ft. of drill.

Fine Curled (Pepper Grass) 40 to 50 days

Quick growing; leaves finely cut like parsley; growth dwarf and compact; crisp and pungent. Cut the greens before they get too tall. **Pkt. 5c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.**

CUCUMBER

CULTURE. Plant in hills 6 feet apart each way, 10 to 20 seeds may be planted in each hill, covering a circle 15 inches in diameter. When plants are three or four inches high they may be thinned to 5 or 6 to a hill, allowing for cutworms and beetles destroying one or two. Cultivate frequently until the vines cover the ground. The seed may also be started in berry boxes by placing them in a hotbed. When the weather is suitable—settled and warm—remove the box as plants are placed in the garden. The fruit should be gathered as soon as large enough for use, or else the productiveness of the vines will be permanently injured. One ounce of seed is required for 60 hills; two to three pounds per acre.

Straight-8* 63 days
Outstanding as a shipping cucumber, also recommended for the home garden. 1½ inches in diameter, 8 inches long, and well rounded at both ends. Deep green in color and free from striping. Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., \$1.90.

Black Diamond* 60 days
Very prolific, dark green, about 8 inches long, 2½ inches thick. Very early. A fine shipper. Stays green long after picking. The flesh is pure white. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

N. K. & Co's Sterling* 65 days
One of the earliest cucumbers of the White Spine type. For general use it is unsurpassed. It can be picked at any size and used for pickles if desired, and will also make a fine large cucumber. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

The Vaughan* 72 days
Is one of the finest extra long cucumbers grown. The average length when matured is from 12 to 15 inches and the diameter from 2 to 2½ inches at the center, tapering gradually at both ends. Excellent for table. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Longfellow* 72 days
An excellent, long, slender, dark green variety, equally desirable for greenhouse, forcing or outdoor culture. This is an ideal cucumber for the market gardener, growing 12 to 14 inches in length, of vigorous habit and disease resistant. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Davis Perfect* 65 days
A selected strain of Long White Spine which retains its dark green color and good qualities long after being picked. It is crisp, solid, of fine flavor and has very few seeds. Will average about ten inches or more in length, is quite slender, tapering slightly at both ends. The Davis Perfect makes a splendid cucumber to grow for pickling, as well as for table. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Dark Green Shipping* 65 days
An improved strain of White Spine, developed to stand shipping. The deep green color holds up under long periods of shipment. Tapers slightly. Matures 8 to 9 inches long. Pkt., 5c; oz., 25c; ¼ lb., 65c; 1 lb., \$2.00.

Improved Arlington White Spine* 60 days
One of the earliest and most popular cucumbers of the White Spine family. This improved strain is much superior to the old sort. The skin is an attractive glossy dark green, the flesh firm but tender and of delicious flavor. Is a heavy yielder and measures 6 to 9 inches in length. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Stays Green* 60 days
A splendid variety, 7 to 8 inches long, 2½ inches thick. Glossy dark green, white spined, cylindrical. Retains its color a long time. Young fruit fine for pickling. Mature fruit adapted to packing and shipping. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Gould's Pickling 56 days
A big favorite for those who want a small pickle. Produces a heavy yield of deep green, square ended fruits, broad at stem end and tapering slightly to the tip, of very uniform size. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.



Gould's
Pickling
Cucumber.

About
One-half
Actual Size.

FERTILIZER FOR CUCUMBERS

About 200 pounds of Vigoro, 4-12-4 fertilizer to the acre will give splendid results for cucumbers. Apply as a side-dressing at seeding time.

PRICES IN 1942

Business is now operating under abnormal conditions and we cannot be responsible for any changes in price that may occur after this catalog is printed. All prices quoted are subject to increased cost of merchandise, labor, taxes, and government restrictions beyond our control.

Due to the difficulties of the situation, our delivery prices are based on present operating conditions and we cannot be held responsible for failure to meet these delivery promises when causes beyond our control make it impossible for us to do so. Therefore, all prices quoted are subject to change without notice.

Early Fortune* 65 days
One of the leading early White Spine varieties with a rich dark green color. It grows about nine inches long, slightly tapering at both ends. Has very few seeds. The pure white flesh is firm and crisp. Is a fine shipper. Fine for home or market as well as for pickles. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.



Straight-8 Cucumber

Long Green* 70 days
Produces dark green fruit from 10 to 14 inches long. Flesh is firm and crisp. Fine for slicing, also desirable for ripe cucumber pickles, the best variety to use for yellow pickling. The bulk of the crop matures late and is in much demand for both the home garden and for market gardeners. Pkt., 5c; oz., 20c; ¼ lb., 55c; 1 lb., \$1.75.

Boston Pickling 58 days
Very productive, and grown mostly for pickles. The fruit is medium size, bright green in color, and smooth. Flesh crisp and tender. Grows 5 to 6 inches long. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Chicago or Westerfield Pickling 59 days
Is medium in length, blunt at both ends, and has large black spines. Is very prolific, and a favorite of many who grow pickles on a large scale. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

National Pickling* 56 days
An early maturing strain of medium size, deep green, very solid, uniform pickles. Stay just as firm after pickling as before. Very productive. An excellent pickling variety. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Snow's Pickling 55 days
A small, early deep green variety; a favorite among pickle growers. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Extra Long White Spine Evergreen 65 days
An extra fine variety for either greenhouse or outdoor crop. It grows about 10 to 12 inches long; fruits pure white and very crisp. Very blight resistant. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.

Climbing 60 days
A vigorous grower. Very desirable for planting along fences or trellis in small gardens. A real climber that does best on a pole or trellis. Fruit 10 to 12 inches long, tender and crisp. A dark green color when young to a russet yellow when ripe. Pkt., 5c; oz., 15c; ¼ lb., 50c.

EGGPLANT

CULTURE. Sow in hotbed in March and April, and when two inches high transplant to pots or boxes to develop root growth. About June 1st plant in field or garden 2½ to 3 feet apart each way and cultivate same as cabbage or tomato. Protect young plants from sun as much as possible, also from potato bugs.

New York Spineless*

85 days

The standard for the garden. The plants are stocky and low branching and produce extra large dark purple fruit of perfect shape. Is the handsomest type and most perfect strain of Eggplants, usually bearing eight to ten large fruits of the finest quality, during a season. Pkt. 5c; oz. 35c; ¼ lb. \$1.10; 1 lb. \$3.50.

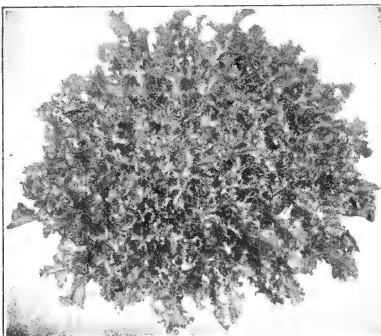
Black Beauty*

82 days

Slightly earlier than the N. Y. Spineless but not so large. The skin is of a rich dark purple color, and very desirable for market; the skin holds its color for a long time. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.

ENDIVE

This plant furnishes attractive and appetizing salad for the fall and winter months, or by repeated sowing a supply may be had nearly all the year 'round. Useful in flavoring soups, stews, etc. Makes delicious greens if cooked like spinach. Cultivation same as lettuce.



Green Curled Endive

Broad Leaved Batavian*

90 to 95 days

One of the best varieties for salads. Leaves are broad, more or less twisted and waved with bright deep green, with nearly white midrib. Inner leaves form a fair head which blanches to a creamy white. Crisp, tender, and of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

Deep Heart Fringed (1940 All-American)*

A new type, upright in growth, so that outer leaves do not lay on the ground. The well-filled hearts are closely packed with an abundance of fine leaves blanching to a clear creamy yellow. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.15.

Green Curled*

90 to 95 days

A hardy and vigorous grower, with bright deep green leaves finely cut. The leaves should be tied up in the shape of a head for 3 or 4 weeks before using. Is very popular with market and home gardeners. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.

GARLIC

CULTURE. Prepare the ground as for Onions; separate the sets and plant them eight inches apart and four to six inches apart in the drill, covering two inches deep. When the leaves turn yellow, pull up bulbs. Dry in the shade. Please write for price.

KALE

CULTURE. Sow in May or June and cultivate the same as cabbage. Makes excellent greens and is improved by light frosts. More hardy than cabbage.

Dwarf Curled*

55 days

A very finely curled dwarf spreading variety. Foliage is long and bright green. Is even more hardy than cabbage. Produces excellent greens for winter and spring. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

Tall Curled*

60 days

This variety grows to a height of two to three feet, bearing long plume-like leaves of a light green color. Is rather improved than injured by fairly heavy frosts. Cannot supply Tall Curled this year.

HERBS

Most of the varieties of herbs thrive best on sandy soil, while some are stronger and better flavored when grown on soil that is rather poor. In all cases the soil should be carefully prepared and well cultivated as the young plants are for the most part easily choked out by weeds. Sow as early as the ground can be made ready.

Balm. Leaves used for making Balm Tea. Pkt. 10c.

Basil, Sweet. Leaves and shoots used for flavoring soups, stews, etc. Pkt. 10c.

Borage. Leaves used in salads; flowers fine for bees, also an aromatic flavor to drinks. Pkt. 10c.

Caraway. Seed used for flavoring bread, cake, etc.; leaves for soups, etc. Pkt. 10c.

Catnip or Catmint. Used for seasoning. Pkt. 10c.

Coriander. Seed used for beverages. Pkt. 10c.

Dill. Used to flavor cucumber pickles. Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.

Horshound. For seasoning and cough syrup. Pkt. 10c.

Lavender. Medicinal, also used as a perfume. Pkt. 10c.

Marjoram, Sweet. Tender young shoots and leaves which are used green, or dried for flavoring soups, dressings, etc. Pkt. 10c; oz. \$1.00.

Pennyroyal. Agreeable odor and flavor. Pkt. 10c.

Saffron. Used for medicine and also in dyeing. Pkt. 10c.

Sage. For seasoning. Cut the leaves and tender shoots just as the plant is coming into flower. Dry quickly in the shade. Pkt. 10c; oz. \$1.50.

Summer Savory. Dried leaves, stems and flowers used for flavoring soups and dressings. Pkt. 10c; oz. \$1.50.

Thyme. Used for a headache tea, also for flavoring. Pkt. 10c; oz. \$2.00.

Wormwood. For flavoring medicines and liqueurs. Pkt. 10c.

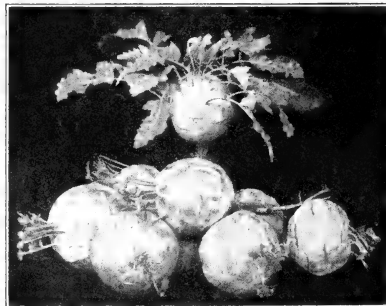
Market Gardeners and Florists.

We do not issue a separate Market Gardener's catalog and price list, but you will note that we list larger amounts than the small gardener buys, and these quantity prices are intended for the market gardener. Special flower seed price list for florists will be sent on request.

The vegetables best suited for market are indicated by a star (*) after the name of the variety.

KOHL RABI

CULTURE. Sow in drills 15 inches apart, ½ to ¾ inch deep. When a few inches high thin to 6 to 8 inches apart in the row and cultivate same as beet. Bulbs grow above ground. Roots should be prepared like turnips or cauliflower for cooking. Are much sweeter than turnips.



Early White Vienna Kohl Rabi

Early White*

55 to 65 days

Very early, producing small white bulbs. Used especially for forcing. One of the best for table use. Pkt. 5c; oz. 55c; ¼ lb. \$1.65; 1 lb. \$5.00.

Early Purple

60 to 70 days

The bulbs are purple on surface; the flesh light green. A few days later than the White but a little larger and more heat resistant. Pkt. 5c; oz. 55c; ¼ lb. \$1.65; 1 lb. \$5.00.

LEEK

CULTURE. Sow about May 1st in drills 12 inches apart from ¼ to 1 inch deep. When 6 inches high transplant to rows 15 inches apart and 5 inches apart in row, setting the plants in the ground up to their center leaves and drawing this ground up as they grow, causing them to bleach.

American Flag*

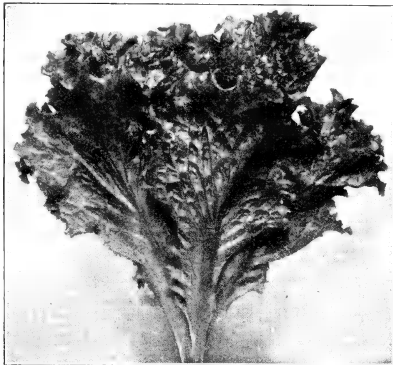
115 days

A strong growing variety, producing large thick stems which have a sweet flavor. Leek is excellent for stews, soups, or creamed. Pkt. 10c; oz. \$1.35; ¼ lb. \$4.00.

LETTUCE

CULTURE. Lettuce is the most popular of all salad plants and at the same time is one of the easiest to grow due to its comparative freedom from disease and insects. Seed may be sown in the open from April 20th to August 1st, or planted in the house or in frames any time after March 10th.

Rows should be 1½ feet apart, plants four inches apart in row after thinning. One ounce of seed will sow 150 feet of row, 2 to 2½ pounds required per acre.



Grand Rapids Lettuce

LOOSE LEAF VARIETIES

Grand Rapids★ 43 to 45 days

The most popular variety to grow for market. When exposed for sale it retains its handsome fresh appearance longer than any other variety. Leaf is curly and of light green color and crimped at the edge. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

Black Seeded Simpson★ 40 days
One of the best and most popular varieties of Leaf Lettuce. Color light yellowish green, its large leaves are thin, tender and sweet. One of the finest for home garden and a favorite market lettuce. Very heat resistant. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

Prizehead 45 days

The name is rather deceiving, Prizehead being a crisp and tender, loose leaf sort with a reddish brown tint of fine quality. Of quick growth and sweet flavor, distinct from any other variety. One of the best for the home garden. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

Chicken Lettuce

So called on account of the abundance of greens it furnishes for poultry feeding or for rabbits. Will come quickly again after cutting. Will send up stalks three to four feet long. Of little value for table use. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

HEADING VARIETIES

CULTURE FOR HEAD LETTUCE. If lettuce plants have been started indoors they should be transplanted as soon as they begin to crowd. Place them six to twelve inches apart in the row in extra rich soil and if the sun has become very hot, it will be best to furnish partial shade.

Sterling 63 days

The earliest of the heading varieties, fine for forcing, as well as for the home garden. A grand lettuce, very sweet, crisp and beautiful in appearance. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10.**

May King★ 63 days

A large early compact heading variety unequaled for early spring planting. The outer leaves are of a light yellowish green, tinged with reddish brown. The heart bleaches to a rich golden yellow, having a fine, rich buttery flavor. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10.**

Big Boston★ (White Seeded) 76 days

A heading variety forming a good sized solid head which is yellow and of splendid quality. The outer leaves are bright green and edges are tinged with brown. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10.**

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Crisp as Ice

74 days

A large solid head with outer leaves variegated brown and green. Has a delicious flavor and is the ideal lettuce for the home garden. **Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.**

Iceberg

80 days

Heads are large and firm and well blanched. Color of leaves is light green with faint brown tracing on the border. A quick grower, heads always crisp and tender. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10.**

Hanson Head

80 days

An old reliable sure heading sort. Color clear light green. A fine variety for midsummer planting as it stands the hot weather better than most sorts. Much in demand by both the market and home gardener. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10.**

New York★ No. 12

75 days

A very large, late popular heading variety. It roots deeply and therefore can resist the hot dry weather, making it very desirable for late planting. The color is a clear dark green, the heart blanching beautifully, being crisp, tender and delicious. **Pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.00.**

Cosberg 76 days

A white seeded home garden heading variety. Heads small and compact. Outer leaves light yellowish green, crumpled and frilled. Heads in summer and resists tipburns. **Pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.00.**

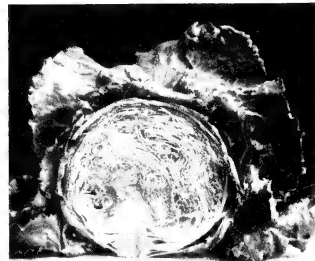
Imperial No. 44★

82 DAYS. Has very long well-folded leaves and produces hard well-formed heads under favorable conditions. **Pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.00.**

Salamander

72 days

It forms large solid heads of thick, smooth, tender leaves of fine quality. It withstands hot weather remarkably well, and remains in head a long time before going to seed. Therefore can be planted any time during the summer. One of the best outdoor heading varieties. **Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.**



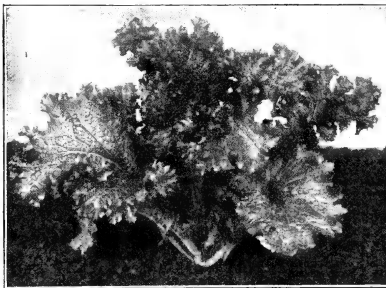
New York Head Lettuce

MUSHROOM SPAWN

One bottle—spawn size enough to seed an area 35 to 40 square feet, with full directions how to grow mushrooms, \$1.15, postpaid.

MUSTARD

A very quick growing foliage plant that is grown principally for greens. Mustard greens have a rich flavor and are fully as healthful and nutritious as spinach.



Southern Giant Curled Mustard

Giant Southern Curled★

Used largely for salads or greens. Grows very large with a beautiful curled leaf. Very tender, of fine flavor. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

Smooth/Leaved

An excellent variety with very large, light green, fairly smooth leaves, borne well above the ground. Very prolific and hardy. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

Tendergreen

A mild-flavored mustard-spinach. Foliage may be used for greens when plant is quite young and until it is matured. Cook same as spinach or other greens. Grows fast with long, broad, fairly smooth leaves. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.**

MUSKMELON

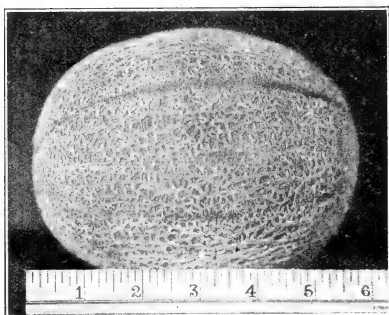
CULTURE. Muskmelons do best on moderately rich light, warm mellow loam. Do not plant until the ground has warmed thoroughly, as they will start quicker and withstand the attacks of insects so much better. Plant in hills 5 or 6 feet apart both ways. Mix in the hill before planting, one large cupful of Commercial Fertilizer. Plant 1 inch deep, 10 to 15 seeds to the hill. When plants are 3 inches high, thin to 4 or 5 in a hill, leaving the best plants.

Gould's Osage* 95 days
A selected strain of Miller's Cream or Osage. The fruit is nearly round and slightly ribbed. The skin is dark green and partly netted. The flesh is of a deep salmon color, very thick and sweet. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Golden Osage* 95 days
An improved strain of Osage melon combined with the Yellow Meated Japan. The flesh is of a fine golden yellow, very thick meaty and the flavor is delicious. The skin is of a light yellowish tint and partly netted. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Bender's Surprise* 87 days
A very fine large, round, salmon-fleshed melon of exceptional flavor. The skin is of a light yellowish color and fairly well netted, very attractive and a good shipper. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Hale's Best* 80 to 90 days
A remarkably early shipping melon from the Imperial Valley of California. The melon is oval in shape, about 6 inches long by 4½ inches in diameter with very heavy netting and distinct ribbing. The flesh is exceptionally thick and a deep salmon in color. It is very sweet and a good keeper. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**



Hale's Best Muskmelon

Oregon Delicious* 92 days
The fruits usually weigh 6 to 8 pounds. The shape is round oblong with a distinct little neck at the stem end. The fruits are slightly ribbed with a creamy green color when mature. The flesh is thick, salmon colored and of excellent quality. It has a distinctive flavor of its own. The melons are quite heavily netted and of attractive appearance. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Delicious* 90 days
This is perhaps the largest of the early Muskmelons. Is especially recommended for roadside markets and local fruit and vegetable stands. It is large, well netted and has a very delicious flavor. The skin is light green and the flesh a beautiful yellow. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Honey Dew Melon 112 days
Is in a class by itself. It is almost round; the skin is smooth and of a creamy yellow color. The flesh is light green and very sweet. We recommend starting in cold frames. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Improved Hoodoo, or Hearts of Gold* 90 days
Medium size, round and distinctly ribbed. The skin is thickly netted and the flesh a rich, deep orange color of fine quality, with a very small seed cavity. Very solid and firm. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

GARDEN TOOLS. We handle a complete line of Planet, Jr. garden drills and cultivators, also weeders, hand cultivators, etc. See pages 52 to 53.

PRICES Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

The Melons best suited for market are indicated by a star (*) after the name of the variety.

Pride of Wisconsin*

90 days

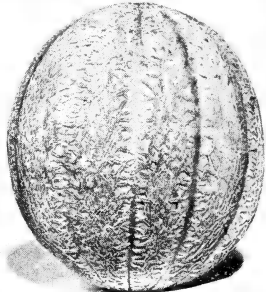
A new most attractive melon both on the outside and when cut. The rind is very hard, of a pearly gray color, with a faint rib, heavily covered with a distinctive netting. Ripens to a yellowish shade. The salmon colored flesh is unusually thick with good flavor. Has many of the desirable characteristics of the Sugar Rock. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

DUST MELONS WITH PYROCIDINE

Newport, Minn.,
Dec. 4, 1940.

"During the past two seasons I used Pyrocide Dust to control striped cucumber beetles on my muskmelons. By repeated dustings as fresh bunches appeared I was able to kill them off so that later in the season it was almost impossible to find a beetle in the fields. I was very much pleased with the results."

Martin Swanlund.



Pride of Wisconsin Muskmelon

Milwaukee Market*

87 days

This is a fine melon which originated near Milwaukee. For a home garden melon or the roadside market it has no equal. Fruit of medium size, nearly round, lightly ribbed and fairly netted; skin light green, flesh thick, salmon colored and very sweet. Every home gardener who can grow melons should try this. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Golden Gopher*

85 days

The Golden Gopher Muskmelon is a new introduction by the Minn. Agric. Exp. Sta., which combines Fusarium wilt-resistance, earliness, and high eating quality. It is slightly oval shape, skin is netted, grayish green when immature, becoming a definite yellow when mature. Flesh is orange. Not adapted to distant shipping. **Pkt. 5c; 1 oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

Early Sunrise*

80 days

A very early type similar in appearance to a small Bender's Surprise. It is one of the earliest yellow meated melons on the market. The fruit averages around 5 pounds, is round oval in shape, and the flesh is deep orange, with very little fiber and sweet with a pleasing flavor. The outside appearance is light yellow with very little netting. This variety, in our opinion, has a definite place because of its earliness, quality and size. It is a week earlier than the Bender's type. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Sugar or Honey Rock*

85 days

One of the newer varieties of melon of high quality and very fine flavor. The flesh is a rich salmon, the skin a grayish green color with heavy, coarse netting. The shape is almost round and very solid. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

The Golden Champlain Cantaloupe*

80 to 90 days

It is heavily netted, has a thin but tough rind, very thick flesh and small seed cavity. The flesh is a rich golden color very tender, juicy and sweet. It is fine grained, free from stringiness and uniformly delicious clear to the rind. Growers always get top prices and very seldom have enough to supply the demand. **Regular Strain, Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

Golden Marvel*

96 days

A new melon that will find favor with growers who wish to grow the best. They weigh from 5 to 8 pounds each. The flesh is a very deep orange color and the flavor is delicious. **Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.**

Sudbury Home Gardeners' Soil Test Kit

This simple, practical, easy to use kit is your best insurance of gardening success. Tests for nitrogen, phosphorus, potash and acidity. No technical skill required. Complete with instructions and data on plant needs, \$2.00.

WATERMELON

CULTURE. The soil must be rich, light, sandy loam to obtain best results. Plant in hills 8 to 10 feet apart each way, putting 10 to 15 seeds in each hill from ½ to 1 inch deep. When 3 inches high, thin to about 4 plants in each hill. Cultivate often.

Northern Sweet★ 70 days
This is a new variety of watermelon introduced from Russia by the Minnesota Agricultural Experiment Station. It is very early and of high quality. The fruit is small weighing from 8 to 10 pounds. The color is medium green with lighter stripes. Flesh is dark red and very tender. It is exceptionally sweet and matures in about 70 days. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

Harris' Earliest 80 days
A large early melon of oval shape. Skin green striped. Flesh bright red, and very delicious and tender. One of the first maturing melons. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Fordhook Early★ 82 days
An extra early watermelon of large size. The rind is tough, making it desirable for shipping purposes. Flesh is bright red and very sweet. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

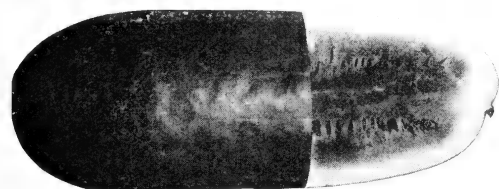
Improved Klondike★ 82 days
The flesh is a distinctive shade of deep red. The rind is dark green; the shape is long with an average weight of 25 pounds. While more a home garden and market variety, it is adapted for shipping moderate distances. While cylindrical in shape, the Klondike tapers toward the blossom end. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

Dixie Queen 85 days
Skin is striped dark green and ivory. The flesh is bright red, very firm and fine flavored. Is almost round and weighs up to 50 pounds. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

Kansas King★ 85 days
This variety is also known as Early Kansas, Red Seeded Wichita, Hutchinson and Red Russian. The size is quite large, averaging about 20 to 25 pounds. The flesh is red, fine grained and of excellent quality, very sweet and watery. The outside appearance is dark green with alternating stripe of lighter green. The rind is medium thick which makes it suitable for trucking or shipping short distances. Kansas King in our opinion is one of the best early Melons. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

The Will Rogers★ 85 days
Another new melon of the Stone Mountain type and shape often growing to enormous size. The skin is dark green and the seeds white tipped with black. The flesh is bright red of good quality. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Tom Watson★ 90 days
A large oblong melon, the skin of which is dark green, with thick netting on the entire surface. It weighs 30 to 40 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. Desirable for both home and market use. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**



Tom Watson Watermelon

Improved Kleckley's Sweets★ 90 days
Oblong, medium early and of fair size. Skin is dark green and flesh a bright scarlet. One of the best early varieties for home use. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Gypsy or Georgia Rattlesnake 90 days
Is finding favor with Northern growers, as it is a splendid keeper and shipper. Is oblong in shape, striped and mottled with green. Flesh is bright scarlet and very sweet. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Stone Mountain★ 90 days

The size is often very large and the flavor and texture of the best. Color is a dark green with finer green veining. The shape is broad oval with blocky ends, and the rind is quite thick. The flesh is bright crimson, sweet and crisp and the seeds white, tipped and spotted with black. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Winter Melon★ 100 days
Is without a doubt the sweetest, firmest, most crisp of any watermelon grown. The rind is but ¼ to ¾ inch thick. Shape round, skin almost cream color. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

Citron for Preserves 98 days
Fruit is round and smooth and very prolific. It is not edible raw, but makes very fine transparent preserves. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.**

OKRA

Okra is raised for the pods which are used in flavoring soups, stews, etc. The pods are at their best when 1 to 3 inches long.

CULTURE. Sow the seed thickly in rich ground as soon as the ground has become warm, in drills 3 feet apart and 1 inch deep. Thin out to 10 inches apart and cultivate freely.

Mammoth Long Podded 56 days
Very productive and bear dark green pods from 8 to 9 inches long. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

Dwarf Green 50 days
Grows low but stocky and is very prolific. The short, deep green pods are of fine quality. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

White Velvet 60 days
Has long, smooth, white pods which are very tender and of exceptional flavor until almost full grown. **Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.**

Prices Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

Onion Plants

All plants are grown in open field, thereby assuring strong, hardy plants. They are tied in bunches of about 100 plants and packed 60 bunches to the crate. Planting about 3 inches apart in 16-inch rows will require 100,000 plants to the acre. Please write for prices about April 1. We expect to have White Wax, Yellow Bermuda, Sweet Spanish and Prizetaker plants ready about April 10th.

Onion Sets

On account of the uncertainty of the onion set market we are unable to quote prices at the time this book is being printed in January. See yellow list for prices. Prices will be available in March and April.

ONIONS

Gould's Minnesota Globe Onions

Everywhere Globe Onions bring the best prices and since our Minnesota Red, Yellow and White strains are the most highly developed of all Globes, we confidently recommend them to growers who want onions that will top the market.

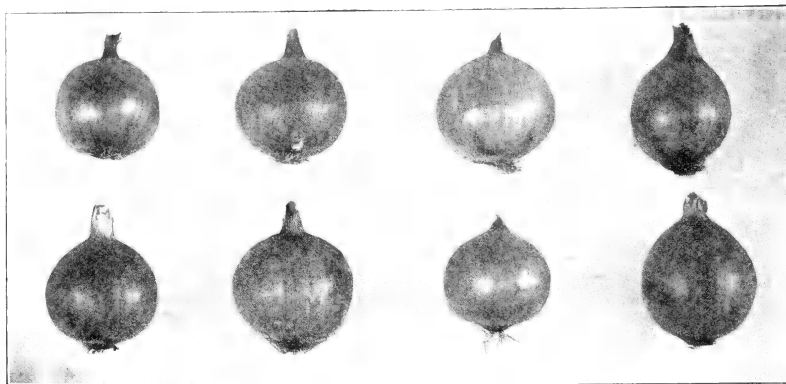
CULTURE. Sow just as early as possible, that is, when the ground can be worked up nicely. Have your seedbed in perfect shape, for onions are slow in coming up and require close cultivation. It is sometimes advisable to mix a few radish seeds with your onion seed so as to allow for earlier cultivation. One ounce of seed will sow 200 feet in drill ½ inch to 1 inch deep, 4 to 5 pounds of seed to an acre drilled 13 to 14 inches apart for hand cultivation or 20 to 22 inches apart for cultivating with tractor. Cultivate often. Do not allow soil to bake.

All onions and other vegetable varieties best suited for market are indicated by a star (★) after the name of the variety.

RED VARIETIES

Gould's Minnesota Red Globe★ 115 days
This beautiful strain of Red Globe onions is the result of many years' selection. For truthness of type, perfection of color and long keeping qualities, it is recognized as the best there is. The color of Minnesota Red Globe is a deep blood red, extra dark, while the surface is smooth and glossy. The flesh is white, tinged with light purple, fine grained and unsurpassed in flavor. **Pkt. 10c; oz. 70c; ¼ lb. \$1.85; 1 lb. \$5.50.**

Southport Red Globe 115 days
A standard Red Globe onion of very good quality, and attractive in color. This onion is very uniform both in size and shape. Grows to a diameter of from two and a half to three and a half inches. **Pkt. 10c; oz. 70c; ¼ lb. \$1.85; 1 lb. \$5.50.**



Minn. Yellow Globe Yellow Globe Danvers Early Yellow Globe Southport Yellow Globe

ONIONS—Continued

WHITE VARIETIES

Gould's Minnesota White Globe★ 112 days

Without a doubt the best White Globe onion grown. It is pure white, mild, and a good keeper. Being much milder than the red or yellow varieties, it is much preferred for family use. Our Minnesota White Globe Onion is one of the very finest varieties in existence. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**

Southport White Globe 110 days

Is a standard of the White Globe varieties. Flesh is crisp, mild, fine grained and pure white. Bulbs should be stored in a cool dark place as soon as matured. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**

Gould's Pickling★ 105 days

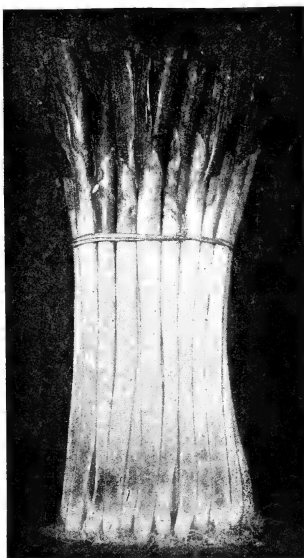
For early bunching or pickling and also for sets. It is pure white, round, and very firm and mild in flavor. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**

He-Shi-Ko White Bunching Onions★

Beyond doubt, this is the best of bunching Onions; it is perfectly hardy in Minnesota. A vigorous grower, making no bulb, but producing fine white necks or stalks which may be trenced without fear of discoloration or rot. **Pkt. 10c; oz. 60c; ¼ lb. \$1.75; 1 lb. \$5.00.**

White Bunching★

An extra early round, white variety. It is exceptionally fine for early bunching, table, and for boiling. Matures large, snowy white onions. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**



He-Shi-Ko White Bunching Onions

White Portugal or Silver Skin★ 105 days

Of medium size, flat shaped, ripening early and uniformly. Has a fine mild flavor. A splendid onion for pickling and early bunching, also for white bottom sets. A good keeper. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**

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YELLOW VARIETIES

Southport Yellow Globe (Brigham Strain)★

Also called 110 days
A selection from Southport Yellow Globe for thick skin and keeping qualities. This variety has done especially well on peat and high lands. The bulbs are deep globe shape, color is dark yellow. The skin is thick and there appears to be an extra layer. A very excellent storage variety. **Pkt. 10c; oz. 85c; ¼ lb. \$2.50; 1 lb. \$7.50.**

Southport Yellow Globe★ 115 days

A very popular strain of Yellow Globe onion. Matures early and is a good keeper. Skin is of rich brownish yellow, the flesh white, crisp and fine grained. **Pkt. 10c; oz. 80c; ¼ lb. \$2.25; 1 lb. \$6.50.**

Yellow Globe Danvers★

115 days
The bulbs are large and globular with very thin necks. The flesh is white and mild and the skin is orange-yellow. Is an enormous yielder, a fine keeper, and excellent for shipping. **Pkt. 10c; oz. 80c; ¼ lb. \$2.35; 1 lb. \$7.00.**

Yellow Sweet Spanish, Utah Strain

115 days
It is the most popular onion in Southern California and grows to large size, 4 to 4½ pounds. It does not produce the "stiff-necked" usual in the Spanish type. **Pkt. 10c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.**

Gould's Early Yellow Globe★

102 days
A very rapid grower. Will mature 10 to 15 days earlier than the Minnesota or Southport Yellow Globe. Gould's Early Yellow Globe always gets top prices on the market. **Pkt. 10c; oz. 80c; ¼ lb. \$2.25; 1 lb. \$6.50.**

Gould's Prizetaker★

105 days
Is without a doubt the largest onion that can be successfully grown in a northern climate. It is globe-shaped and has a straw-colored skin of a beautiful appearance, and is a great favorite for hotel and restaurant trade. Is very solid, of fine flavor and an excellent keeper. **Pkt. 10c; oz. 80c; ¼ lb. \$2.25; 1 lb. \$6.50.**

Gould's Minnesota Yellow Globe★

112 days
This variety of Yellow Globe onion, like our Minnesota Red Globe, is a most select strain of Yellow Globe onion. It is perfect in shape and in color, also having all the best keeping qualities obtainable. A remarkable strain of yellow onions. **Pkt. 10c; oz. 80c; ¼ lb. \$2.25; 1 lb. \$6.50.**

PARSLEY

CULTURE. Sow in early spring in drills 14 inches apart, ¼ to 1 inch deep. Parsley seed is slow to germinate and requires from 20 to 30 days to show above the ground, therefore it is advisable to sow a few radish or lettuce seeds with the parsley seed as a guide for early cultivation.

Dark Moss Curled★

The leaves are of an extra dark green color. It is a heavy producer, and on account of the densely curled character of its leaves a quantity can be gathered in a short time. Very fine for garnishing and flavoring. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Double Curled

Fine dwarf crimped leaves. Very similar to the Dark Moss Curled excepting that leaves are finer curled. A very fine sort. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

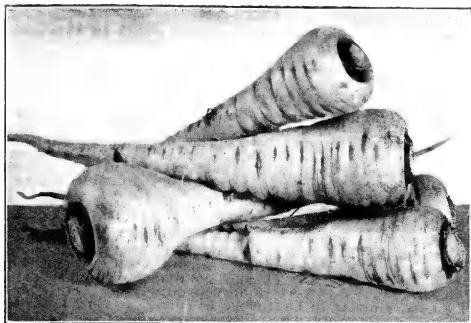
Evergreen (1940 All-American Honorable Mention) is a big, strong-growing parsley with large, dense, dark green foliage. The leaves are very large and dense; the leaflets coarsely cut, but closely curled. Well adapted to market gardeners' use or home garden general use. **Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.**

Hamburg or Turnip Rooted Parsley

The edible roots of this variety resemble a small, thick parsnip in shape and color. They may be stored for the winter and used for flavoring soups, stews, etc. The flesh is white, a little dry, with the flavor of Celeriac. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Plain Leaved

Widely known as Italian Parsley, are not curled but have an excellent flavor. Plant is very hardy. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**



Hollow Crown Parsnips

PARSNIPS

CULTURE. Work the soil very deep and pulverize the seedbed thoroughly. Sow the seed in early spring, $\frac{1}{2}$ to 1 inch deep, in rows 18 inches apart. As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 4 inches apart in the row. One ounce of seed for 200 feet of row; 3 lbs. seed required for an acre.

Hollow Crown* 95 days
Better known and more generally grown than any other sort. The roots are smooth, large, tender and sweet and of the best quality. This variety is easily distinguished by the leaves arising from a cavity on the top or crown of the root. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

All American or Improved Hollow Crown 93 days
Not as long as the regular Hollow Crown but is more smooth and uniform in size. Free from fibre with only a small core. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

Guernsey 85 days
A very good parsnip for the home garden. Being shorter than other varieties it is easier to dig up. Roots are very smooth, the flesh fine grained and excellent quality. Pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 55c; 1 lb. \$1.75.

PEANUTS

Peanuts do best on a light, sandy soil. The ground should be ploughed deeply and thoroughly harrowed. Seed peanuts should be carefully hulled to prevent breaking the skin on the kernels. Plant in rows $2\frac{1}{2}$ to 3 feet apart and 12 inches in the row. Cover about 2 inches. When matured, pull up and dry in the sun a few days. Vines are a valuable feed for horses, cattle and sheep. 1 lb. 25c, postage extra.

PEAS

CULTURE FOR GARDEN PEAS.

Sow seed 2 inches deep in rich soil very early in the spring and for succession put in varieties that mature at different periods or if dwarfs only are desired, sow a few rows every 10 days throughout the season. For hand cultivation sow in rows 15 inches apart, but if grown on a large scale it is best to sow in rows from 2 to 3 feet apart and cultivate them with a horse or tractor. One pound of seed will plant 100 ft. of row; 75 to 100 lbs. of seed required to an acre.

PEA PRICES: 25 lbs. or more at 100-lb. rate.

EXTRA EARLY DWARF WRINKLED VARIETIES

American Wonder 61 days
This variety heads the list of peas in flavor and quality. The vines bear a great abundance of good-sized pods containing 5 to 8 large, exceedingly sweet, tender and well-flavored peas. Require no brush or other support. Grow to a height of about 10 inches. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$15.00.

Little Gem 65 days
Height 16 to 18 inches. It is a few days later than the American Wonder, but slightly larger and will bear for a longer period than other varieties. The peas are green, wrinkled, of sweet, delicious flavor and excellent quality. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$15.00.

Little Marvel 62 days
An extra fine dwarf pea of the early wrinkled variety, with vines growing to about 14 inches high. Pods are about 3 inches long of a dark green color. Peas are very sweet and tender. Especially suited for home gardens and early market gardening. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$15.00.

Nott's Excelsior

62 days

A standard extra early dwarf wrinkled pea. The foliage is stout and heavy, about 12 inches high with an abundance of pods containing 6 light green wrinkled peas each. The peas are unsurpassed in sweetness and quality and are very desirable for the home gardener. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$1.90; 100 lbs. \$17.00.

LARGE EARLY WRINKLED VARIETIES

Laxton's Progress*

62 DAYS. One of the best large podded early dwarf varieties. Vines will average about 18 inches, pods 4 inches. Pods with 8 delicious peas are dark green. Matures early. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

Laxtonian*

62 DAYS. A very early Pea of unexcelled value. It is not only early but is of splendid quality and unusually productive. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

Thomas Laxton*

63 DAYS. Large podded, extra early Pea. The pods contain on the average seven or eight large, sweet, wrinkled Peas of the very richest flavor. The vines attain a height of from three to three and one-half feet. In flavor this Pea is unsurpassed. A very popular variety for the market gardener. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

Gradus or Prosperity*

65 days

One of the earliest wrinkled sorts. The vines are very vigorous and robust, growing to a height of about $2\frac{1}{2}$ feet. It is not only an abundant producer, but bears continually throughout the season. The pods are very large and are invariably well filled with from six to nine sweet, tender, wrinkled peas of large size and delicious flavor. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.



Thomas Laxton

World's Record*

61 days

An improved type of Gradus. 24 inches high, pods 4 inches long, medium green and very prolific. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

Hundredfold*

63 days

This pea resembles the Laxtonian but is a little larger and more prolific. Vines grow to a height of 16 to 18 inches, green, and containing 8 large dark green peas of excellent quality. This is a very fine home garden pea. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

MAIN CROP VARIETIES

Telephone*

74 days

Another leading pea with market gardeners. It comes into bearing fairly early, yields abundant crops of large, fine appearing pods and peas that are sweet and luscious. The vines grow about $3\frac{1}{2}$ to 4 feet in height. Each vine bears on an average seven to ten pods, which are ready for picking in about 75 days. The immense pods are straight, and of fine appearance, and contain eight to nine large, wrinkled peas, closely packed, tender, sweet and of exquisite flavor. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$1.90; 100 lbs. \$17.00.

Giant Stride*

75 days

A very popular, large podded, shipping and market garden variety, also a good home garden pea. The pods holding 8 to 10 peas are $5\frac{1}{2}$ to 6 inches in length, dark green in color, pointed or curved end, and very attractive. The vine height is about 26 inches, thick, stalky straw; many branches, and the foliage is dark green. Pkt. 10c; $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 2 lbs. 60c; 10 lbs. \$2.00; 100 lbs. \$18.00.

MAIN CROP PEAS—Continued

Alderman★

74 days

This is a very large podded pea, very robust and vigorous, producing pods of the largest size. The pods are even larger and longer than the average large podded sorts, and are well filled with large peas of most excellent flavor. The vines are from 3½ to 4 ft. in height. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00; 100 lbs., \$18.00.

Teddy Roosevelt★

74 days

One of the best of the large dark podded Telephone types and one of the most productive and surest yielders. The vines grow to a height of 4 feet, producing in large numbers, large, well-filled pods of a dark green color, each pod containing from 8 to 9 large wrinkled peas of splendid quality. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00; 100 lbs., \$18.00.

Everbearing

76 days

Reaches a height of 2½ to 3 feet. As name indicates this variety continues long in bearing and is very prolific. The peas are very large green wrinkled and of excellent quality. Are tender and of superior flavor. One of the best for late summer and autumn use. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$1.75.

Mammoth Melting Sugar

74 days

This variety is cooked up the same as a snap-bean, both pod and pea being eaten. The pods are large, extremely tender and fine flavored when young. Pkt., 10c; ½ lb., 25c; 1 lb., 40c; 2 lbs., 75c; 10 lbs., \$3.25.

Carter's Daisy or Early Dwarf Telephone★

79 days

This pea is always in great demand owing to its large pods and excellent quality. It is very desirable for early market, always obtaining top prices. Vines are very vigorous, reaching about 18 inches, with well-filled pods. Vines require no support. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 10 lbs., \$2.00; 100 lbs., \$18.00.

PEPPERS

CULTURE. Seed should be planted in hotbed or greenhouse about March 10th to 20th. When plants are 3 inches high they should be transplanted to 2 or 3 inches apart until weather and soil conditions permit for outdoor planting. Then plant in rows 2½ feet apart and 18 inches apart in row. Cultivate same as tomatoes.

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

Sunnybrook (Pimento Type)★

73 days

This is a bright red tomato-shaped pepper with thick, firm flesh. It is very sweet and exceptionally mild. It comes into bearing early and is very productive. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.



California Wonder★

75 DAYS. A sweet pepper with very thick flesh. Fruit very large, smooth and heavy. A good yielder. It is blocky in shape, square in cross section, 4 inches wide and 4½ inches long. Some will weigh as much as a pound each. Is deep green when small, changing to crimson. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

Large Bell or Bull Nose★

62 DAYS. This is one of the early, bell-shaped peppers. It is somewhat hotter than the larger and later varieties. Large Bell is very desirable for pickling. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$3.50.

World Beater★

75 DAYS. One of the finest large peppers yet introduced. It is a cross between the Chinese Giant and Ruby King; fully as early as Ruby King and similar in shape, almost the size of, and can be eaten raw without fear of burning. Color of fruit is green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

California Wonder Pepper

between the Chinese Giant and Ruby King; fully as early as Ruby King and similar in shape, almost the size of, and can be eaten raw without fear of burning. Color of fruit is green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

PRICES

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Oakview Wonder (New)★

68 days

Developed from California Wonder and is at least a week earlier. It has slightly smaller but blockier and more symmetrical fruits and lacks the deep depression and curling at the nose which characterize most peppers. Its exceptional uniformity, earliness, and high yield have already made it a favorite among market growers. Pkt., 10c; oz., 70c; ¼ lb., \$2.00; 1 lb., \$6.00.

Harris Earliest★

55 days

Those who have difficulty in raising sweet peppers should try Harris Earliest as it is an extra early pepper and will mature in a very short season. Plants are very uniform in growth, dwarf and compact, seldom over 18 inches in height, and extremely productive. Fruits mild and sweet, similar to Bull Nose in form. A very fine pepper for the home garden. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

Windsor A★

57 days

All-America Award of Merit. A good stock of very early Ruby King type, with good yield of medium sized fruits. Recommended for Northern short season sections as a drought resisting, thick fleshed, early sweet pepper. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

Harris Early Giant

63 days

Is considered the earliest of the giant peppers. It is larger than the Ruby King but not as long and is a very good yielder. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

Hungarian Yellow (Hot)

65 days

A very hot pepper growing 5 to 7 inches in length tapering to a blunt point. The color is of canary yellow with waxy appearance. A heavy yielder. A favorite with good buyers because of its pungency. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

Hungarian Yellow (Sweet)

65 days

Same type as the Hot Hungarian excepting that it is sweet. Pkt., 10c; oz., 70c; ¼ lb., \$2.00; 1 lb., \$6.00.

Chinese Giant★

80 days

One of the largest of the mild red varieties, very thick and blocky. In spite of its large size, plants carry an enormous amount of fruit and mature early. Fruit can be sliced and eaten like tomatoes. Has few seeds. Pkt., 10c; oz., 70c; ¼ lb., \$2.00; 1 lb., \$6.00.

Crimson Giant or Ohio Crimson★

80 days

One of the best of the very large fruited sweet varieties. It grows as large as Chinese Giant but is earlier and more prolific. The peppers often measure 5 inches long, 3½ inches in diameter. The color is a deep green turning to a rich crimson when mature. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

Small Red Cayenne★

70 days

Is only ½ inch in diameter and 4 to 4½ inches long. Is very hot, and used mostly in sauces. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

Long Red Cayenne★

70 days

Is about ¾ to 1 inch in diameter and 5 to 7 inches long. Although this also is pungent, it is not as sharp as the Small Cayenne. For pickling, either green or ripe. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

Neapolitan

60 days

A very early and productive large variety. The fruit is oblong and has a light green color gradually changing to golden and finally to a bright red. Very mild and sweet. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; 1 lb., \$4.00.

Oshkosh

70 days

This is a mild and exceptionally sweet pepper. A very desirable, large variety. During growth it is an intense deep glossy green, turning to a bright canary yellow at maturity. Pkt., 5c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.00.

SEED POTATOES

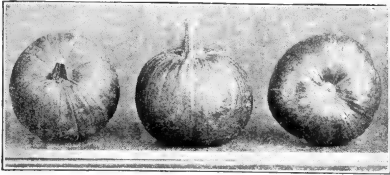
Due to the scarcity of good seed stock and uncertainty of prices at the time this book is being printed in January, no prices are quoted. Prices will be given on Yellow List in April.

SOILTEX A test for acid soil

SOILTEX Tells What Your Soil Needs—With Soiltex you can determine exactly in a few minutes whether your soil is acid and how much lime it needs. Each outfit will make 75 to 100 tests. Full directions, color chart and lime table included. Postpaid \$1.00.

PUMPKINS

CULTURE. Pumpkins may be planted with corn by planting the pumpkin seed in every 4th or 5th row of corn one way by every 3rd or 4th row across, dropping 4 seeds in a hill. When raised alone, the hills should be 10 feet apart each way, dropping 6 or 7 seeds in a hill and cultivating both ways. Cultivate with a section of the harrow. One ounce of seed will make 15 hills, and about 2 pounds are needed for an acre.



Early Sweet Sugar or Pie Pumpkin

Early Sugar or Pie*

This pumpkin is small, round, slightly ribbed, skin and flesh deep orange. Flesh is very thick, fine grained, sweet and of finest quality. A big yielder and a good keeper. One of the best for pies. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

Winter Luxury Pie

Round, medium in size with a golden yellow skin, closely netted. Exceptionally fine for pies and a good keeper. Flesh is thick, sweet, tender and of fine flavor. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

Connecticut Field*

The standard field pumpkin. It is largely grown for stock feeding, but is also generally used for pumpkin pie and canning. The outside is reddish orange in color, the inside orange yellow. Is very solid, fine grained and slightly ribbed. Strong and vigorous grower. **Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 60c.**

Gould's Mammoth Field

One of the largest and best, especially for stock feeding. It is also a good keeper. **Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. \$1.00.**

RADISH

CULTURE. Radish should be grown on good rich sandy loam. Avoid seeding in soil where you have had any root crop that became infested with root maggots, if possible. As a preventive of maggots it is well to treat your soil with a good dressing of tobacco dust, crude naphthalene flakes, or Carbola. Apply at intervals of about 10 days.

Plant your radish seed one-half inch deep in rows 12 to 14 inches apart as soon as the soil is in condition to work nicely in the spring. When the plants are about 1 inch high, thin enough to avoid crowding. Cultivate often and shallow to retain moisture and destroy weeds.

EARLY ROUND RADISHES

Gould's Reliable Forcing*

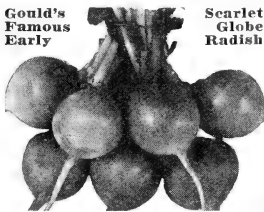
Is the earliest of the greenhouse forcing type. It is of a beautiful bright scarlet, somewhat turnip-shaped, producing a very small top, very desirable for forcing. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00; 10 lbs., \$9.50.**

Gould's Early Scarlet Globe*

A selected forcing strain especially adapted to greenhouse and hotbed growing, but may be grown outdoors also with good results. The shape is a little longer than round and the color, which it holds long after pulling, is very brilliant and attractive. A standard for the market gardener. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00; 10 lbs., \$9.50.**

Gould's Scarlet Turnip White Tip*

A special strain of white tip radish, the best of its kind ever offered. It is very early and does equally well for greenhouse forcing and for outdoor culture. The flavor cannot be excelled, it being sweet, mild and crisp. The color is a bright scarlet with white tips, making a particularly fine appearance on the table. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00; 10 lbs., \$9.50.**



Scarlet Globe Radish

Sparkler

The roots, even when fully developed, are solid, crisp and sweet. The color is a rich carmine with a pure white tip. The tops are small, but large enough for bunching. Equally well adapted for forcing. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10; 2 lbs. \$2.10; 5 lbs. \$5.00.**

Crimson Giant

A large growing sort, of a beautiful deep crimson color. The flesh is white, mild in flavor, firm and crisp. Good for open ground culture or forcing. Roots spherical to slightly top shaped. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10; 2 lbs. \$2.10.**

LONG VARIETIES

French Breakfast

A great favorite for open ground or forcing. Beautiful bright scarlet, with pure white tip. Oblong in shape, of medium size, and a rapid grower. It is a fine table variety due to its excellent quality and appearance. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

White Icicle

Matures long and slender radishes of pure white skin and flesh. Ready for pulling about three weeks after sowing. It is crisp, mild, sweet and tender both when young and until it attains a large size. One of the finest sorts for the home garden as well as for market. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

Long Scarlet Short Top

A standard and popular well known long red radish of good quality. Matures to a size of about 6 inches but it can be used before fully grown. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

Long White Summer or White Strasburg

A large, medium long sort with heavy tapering shoulders. Flesh and skin pure white. Firm and crisp. A fine summer variety. The roots resist drought. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

WINTER RADISHES

Try some this year. These grow to large size and keep well for winter and spring use. Sow seed from middle of June to July 1st, for fall and winter use.

China Rose

Of a bright rose color, flesh solid and crisp. The shape is long, but stump rooted, tapering abruptly to a small tip. One of the best winter varieties. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

California Mammoth White

A very good fall and winter variety. The skin and flesh are white, very tender and crisp, decidedly pungent but well flavored. Roots are about 8 inches long. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

Long Black Spanish

One of the largest, latest, as well as the hardest of all radishes. The shape is oblong, tapering to a point, the skin almost black, flesh white and very firm. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

Round Black Spanish*

A large round turnip-shaped root, growing to as much as 3 to 4 inches in diameter. The skin is black, but the flesh is white and an excellent keeper. **Pkt. 5c; oz. 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

RUTABAGA

American Purple Top*

88 DAYS. A hardy productive variety with a small neck; roots are large globe-shaped with a very small tap root. The color is a bright yellow with a purple top, flesh solid, tender and sweet. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**



Neckless Purple Top*

Grows to large size. Flesh of a bright golden color. Top is purple and almost neckless. A very fine variety for table use. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

N. K. & Co's. Prize Winner*

A purple top yellow-fleshed variety of good size and exceedingly uniform in appearance. Valuable for table use as well as for stock feeding. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

SALSIFY (VEGETABLE OYSTER)

Salsify is used the same as carrots, or, after having been boiled, make into cakes and fry like oysters which they resemble in flavor. Culture of Salsify is the same as Parsnips. One ounce of seed will sow 60 feet of row. Five pounds of seed required for an acre.

Sandwich Island

Grows to a large size, is of fine quality and flavor. The roots, when cooked, are very palatable and nutritious with a flavor similar to oysters. A very desirable winter vegetable. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

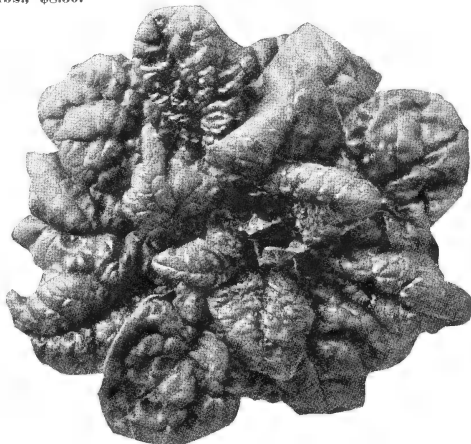
SPINACH

CULTURE. Sow just as soon as the ground will permit working in spring. Sow in rows 12 inches apart and 1 inch deep. If given some protection over winter, spinach may be sown in the fall for spring use. Spinach being of a leafy growth only, should be kept growing fast in order to be tender and palatable. The soil should be well fertilized with a complete fertilizer. After the spinach is up it should receive a side-dressing of nitrate of soda or sulphate of ammonia about once a week until fit for market.

Bloomsdale or Savoy Leaved★

40 days

This is the quickest and earliest growing spinach. The leaves are narrow, pointed and crinkled and very hardy. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.



Long Standing Bloomsdale Spinach

Long Standing Bloomsdale★

46 days

Long Standing Bloomsdale has been developed along new and scientific lines of breeding. This strain of Bloomsdale is one of the outstanding varieties for crinkly leaf and long standing qualities. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

King of Denmark★

46 days

One of the earliest of the spinach varieties; noted for its ability to withstand very hot weather. Produces longer than most any other. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

New Zealand

70 days

Entirely different from the true spinach in type in that it thrives during hot weather in any soil. The tender shoots are of good quality and may be cut throughout the summer. Plant in rows about 3 feet apart. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.

Old Dominion★ (Blight Resistant)

40 days

A blight resistant strain well adapted for any purpose for which Bloomsdale is seeded. Leaves are crumpled, dark green. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

Princess Juliana★

48 days

Of delicious flavor and quality. Leaves are large, crumpled and a rich dark green. Remains in good condition a long time before going to seed. A fine market variety. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

Round Thick Leaf

45 days

A popular variety for spring and fall planting. Plants have large, long leaves, spreading out on the ground. Ends of leaves are pointed rather than round. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

Victoria★

48 days

A great favorite with the market gardener on account of slowness in shooting to seed. Grows low and compact. Leaves are shiny dark green and heavily crumpled. Suitable for spring and fall seeding. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

Virginia Long Standing★

40 days

Blight-resistant, with dark green crumpled leaves. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.

SORREL

The leaves are esteemed as a salad or may be boiled and served like spinach. Sow in rows 18 inches apart. It is hardy and roots should be divided every 3 or 4 years. Pkt., 10c; oz., 45c; ¼ lb., \$1.25.

TURNIPS

CULTURE. Turnips are the easiest to grow of any root crop. Sow in early spring for summer crop, and late in July or early August for late fall crop. One ounce will sow 200 feet in drill; thin to 4 inches apart.

Extra Early Purple Top Milan★

42 days

Extremely early and of splendid quality. Bulbs of medium size, flat and white, with a bright purple top. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 95c.

Extra Early White Milan★

42 days

Similar to the Purple Top Milan, except that the roots are a solid clear white. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 95c.

Purple Top Strap-Leaved★

46 days

Rather flat and of medium size. Color: purple above ground and white below, flesh white, fine grained, sweet and never stringy. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

Purple Top White Globe★

58 days

A general favorite with all, and more largely grown than any other turnip; will do well to sow either broadcast or in drills and will form good sized bulbs in seven or eight weeks. Of a perfect globe shape with smooth white skin; flesh pure white, firm, sweet and crisp. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c; 10 lbs., \$6.00.

Snowball or Early Six Weeks★

43 days

Very early, round with pure white flesh. One of the best table varieties. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c.

VEGETABLE PLANTS

During the months of May and June we offer seedling or pot-grown vegetable plants in the most popular varieties. The plant season usually begins the forepart of May and extends well into June. We carry exceptionally fine plants and people who want better than the ordinary come to us from all over the Northwest for their plants. While we use every precaution and care possible in packing and forwarding plants, orders by mail are sent at purchaser's risk. However, we experience very little trouble in sending plants by mail. If you wish plants by the hundred or more, please write for price, stating the kinds you want.

In ordering sent by mail, include 15% for postage and packing within the 3rd zone, with a minimum of 25c. Pot-grown plants sent by express must be crated, for which there is an additional charge of 40c a crate holding about 24 potted plants.

Cabbage. Early, Golden Acre, and Copenhagen. Doz. 15c

Cabbage Plants. Late, Holland. Doz. 15c.

Cauliflower Plants. Doz. 25c.

Celeriac (Root Celery). Doz. 25c.

Celery Plants. Doz. 25c.

Chives. Plant, 15c; postpaid, 25c.

Eggplant. Doz. 25c.

Ground Cherry (Husk Tomato). Doz. 25c.

Parsley Plants. Doz. 25c.

Peppers. Sweet or Hot. Doz. 25c.

Tomatoes. include Gould's Standard, John Baer, Earliana, Beauty, Bonny Best, Dwarf Champion, Stone, Ground Cherry, Yellow Plum, Red Cherry, Ponderosa, Golden Ponderosa, Pritchard, etc. 25c per dozen.

Pot-grown plants are 60c to \$1.50 a dozen.

SQUASH

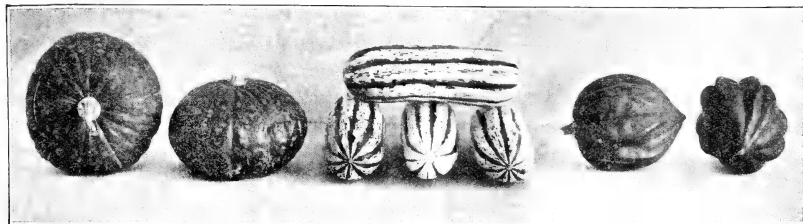
CULTURE. Plant when all danger of frost is past. For vining varieties plant in hills 8 to 10 feet apart each way. The early summer or bush varieties may be planted 5 feet apart. Place 8 to 10 seeds in a hill one inch deep. When plants are three inches high thin to 3 or 4 in a hill.

SUMMER VARIETIES

White Bush Scallop

53 days

Matures early and will bear quickly. The Squash are large size, somewhat flattened, pure white, with thick flesh of good quality. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**



Buttercup

Sweet Potato Squash

Table Queen

Zucchini

55 to 60 days

A summer squash producing extremely dark green fruits of fine quality. The plants are truly bush, and the fruits about 12 inches long and 2½ inches in diameter. They are of best quality when 4 to 6 inches long. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

Cocozelle or Vegetable Marrow

65 days

The fruit is long and slender, of a dark green color at first, but when maturing it changes to a lighter green with yellowish stripes. In best condition to use when 8 to 12 inches long. May be sliced and fried or baked. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

Giant Summer Straightneck

56 days

A selection of Summer Squash with a straight neck instead of the usual crookneck. It grows about 18 to 20 inches in length, is very thick meated and has a beautiful orange color. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

Golden Summer Crookneck

50 days

Early and prolific. The fruits are of true crookneck type, heavily warted and of light golden color. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

WINTER VARIETIES

Mammoth Chili

100 days

An extra large variety used mostly for stock feeding. Very beautiful in appearance, often weighing 75 pounds each. The yield will run from 8 to 10 tons per acre, producing a very cheap and nutritious feed. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Banana Squash

105 days

One of the best varieties for either summer or winter use. Shell is grayish-green and the flesh is a deep golden color. Cooks smooth and of a delicious flavor. Fruits measure 20 to 30 inches long, 7 to 12 inches thick. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Sweet Potato Squash

55 days

Fruits grow 6 to 8 inches long. Have very thick flesh, unusually sweet and tender. They are a real table delicacy when baked and served with butter. **Pkt. 5c; oz. 25c; ¼ lb. 65c; 1 lb. \$2.00.**

Buttercup

An introduction by Prof. Yeager of North Dakota. It is medium to small in size, the flesh is very thick and the flavor delicious. The shape is somewhat of a turban with a tendency to being flat. Seed cavity is very small. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Table Queen

58 days

A small Squash that is rapidly gaining favor as a market variety. Fruit acorn shaped, color dark green, size 6 inches long and 4 inches in diameter, of good quality. A fine variety for home or market garden. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Mammoth Table Queen

63 days

Similar to the well known Table Queen excepting size which is about double that of the regular Table Queen. **Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.**

Gould's Blue Hubbard

110 days

A strain of the regular Hubbard. Fruit is large, blue-gray shell, long keeping and finest quality. A very popular variety on some of the eastern markets and becoming of increasing importance on the Twin City markets. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Gould's Improved Hubbard

105 days

This Squash is the favorite for long keeping. The vines are strong and very productive. The skin is rather smooth, of a dark green color. When well matured and dried, it becomes very hard and will keep well into the winter. Flesh is bright orange yellow, fine grained, dry, sweet flavored. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Chicago Warted Hubbard

110 days

Very similar to Gould's Hubbard, but skin is darker and covered with heavy warts. Also a good keeper. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50; 10 lbs. \$14.00.**

Turban

100 days

This is somewhat of a novelty. It is turban shape, and the color varies from green and yellow to dark red. This can be shellacked and used as an ornamental Gourd. **Pkt. 5c; oz. 25c; ¼ lb. 70c; 1 lb. \$2.50.**

TOBACCO

Sow Tobacco seed in greenhouse or hotbed in March or April and transplant to the open field when danger of frost is past. **Pkt. 5c; oz. \$1.00.**

TOMATO

Listed in Order of Earliness.

CULTURE. Tomato seed should be planted in a box in the house or in hotbeds or greenhouse about the 1st of March, then transplanted once or twice to develop the roots to a good size before setting out in the open. Do not set out until all danger of frost is past, as tomatoes are easily damaged by frost.

Earliana "Private Stock"

95 days

The result of many years' selection from the most perfect and earliest stock. Produces more uniform fruit of a smooth, perfect shape than any other early variety. **Pkt. 15c; ½ oz. 55c; ¼ oz. \$1.50; ½ oz. \$2.50; oz. \$5.00.**

Spark's Earliana

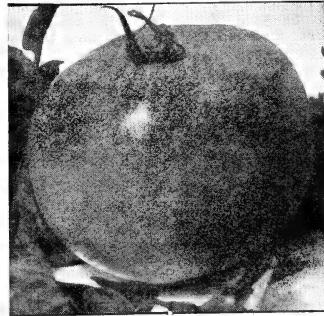
98 days

One of the very earliest sorts. Fruit of fair size, color bright scarlet. A prolific bearer, yielding fruit in clusters, particularly in warm, sandy soil. **Pkt. 5c; oz. 45c; ¼ lb., \$1.35; 1 lb., \$4.00.**

New Penn

State* 98 days

Originated by Dr. C. E. Meyers of the Agricultural Experiment Station of Pennsylvania after seven years of breeding work. The plant is vigorous and yet compact with heavy foliage to protect from sun scald. It is almost as early as the Earliana and of much better quality. **Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00.**



New Penn State Tomato

Break O' Day

98 days

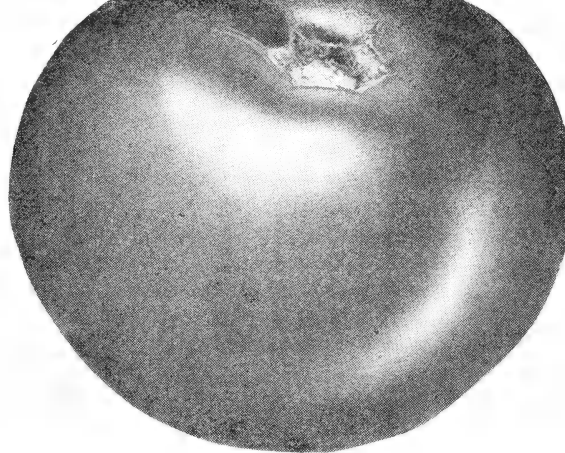
A wilt-resistant tomato developed by Dr. F. J. Pritchard of the U. S. Dept. of Plant Industry. Is nearly as early as Earliana and as productive as Marglobe. Fruits are large, smooth, meaty, red and globe-shaped. **Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.**

TOMATO—Continued

Gould's Early Standard★

98 days
Gould's Early Standard is the result of years of experimenting to obtain a meaty, heavy bearing tomato, that would produce early and bear fruit until frost. It has no equal for the home garden or for market, being an excellent keeper and shipper, fruit being firm, coloring beautifully, producing abundantly from early summer till frost. Flavor is unsurpassed. Unexcelled for canning. No expense has been spared to make Gould's Early Standard the best tomato grown anywhere. Pkt. 10c; ½ oz., 50c; ¼ oz., 85c; ½ oz., \$1.50; oz., \$2.75.

Gould's Early Standard Tomato



Tomato Plants listed on page 18.

Stokesdale★

110 days
A large, second early, round tomato of intense scarlet color. A heavy yielder and a market gardener favorite. Comparatively free from stem-end crack. Very meaty and of fine flavor. Pkt. 5c; oz. 55c; ¼ lb. \$1.05; 1 lb. \$5.00.

Early Detroit★

110 days
Bears uniform large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty, which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt. 5c; oz. 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

Rutgers★

112 days
This is an introduction by the New Jersey Agricultural College. It is especially adapted for market gardeners. The flesh being firm and sparkling red, maturing about the same time as Marglobe. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.

Golden Ponderosa

112 days
A large golden-yellow tomato, in shape very much like the Red Ponderosa. The vines are vigorous and bear right up to frost, fruits very uniform in size and shape that contain very few seeds. Pkt. 10c; ½ oz. 60c; oz. \$1.00.

Stone★

115 days
This is one of the most popular of the late varieties. It is a good late canning tomato and is grown in some sections as a market garden variety. The plants are strong and vigorous and produce a heavy yield of fruit where the growing season is long. The fruit is bright red in color, of good size, smooth, round, meaty and fine flavor. Pkt. 5c; oz. 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

Ponderosa

120 days
This is the largest fruited tomato. It is solid with very small seed cells, of very fine quality for slicing. Some of the fruit is oblong in shape and somewhat ribbed. The color is purplish red. The vines are strong and if stalked will grow to a height of 6 or 7 feet. Pkt. 5c; oz. 55c; ¼ lb. \$1.65; 1 lb. \$5.00.

Crimson Cushion or Beefsteak

120 days
Is very large, round, with bright scarlet skin, solid flesh of fine quality and seed cells small. Plants are very prolific. Pkt. 5c; oz. 50c; ¼ lb., \$1.60; 1 lb., \$4.50.

Dwarf Champion

125 days
Dwarf and compact in habit. Stands up well even when loaded with fruit, having a stiff, bushy stem. May be planted close together making it desirable for small gardens. The fruit is of a purplish pink color, medium size, smooth, very attractive and fine flavored. Skin is tough and flesh solid, but has no hard core. Pkt. 5c; oz. 60c; ¼ lb. \$1.80; 1 lb. \$5.50.

Oxheart

130 days
Fruit is large and very solid with few seeds. It is heart-shaped, the skin pink, and the flavor delicious. Used for second early and main crop. Pkt. 5c; oz. 65c; ¼ lb. \$2.00; 1 lb. \$6.00.

SMALL FRUITED TOMATOES

Ground Cherry or Golden Husk

120 days
These are greatly valued for preserves, pies, etc. Fruit is very sweet and mild. Pkt. 5c; oz. 65c; ¼ lb. \$2.00.

Italian Large Plum

120 days
This is a bright red plum shaped tomato. The fruit is borne in clusters of six or more. It is very prolific and is used extensively for salads and preserves. Pkt. 5c; oz. 65c; ¼ lb. \$2.00.

Red Cherry

120 days
Produces small, round, rich deep red fruits. Used for salads, pickling, etc. Pkt. 10c; oz. 85c.

Yellow Pear

120 days
Fruit is pear shaped, slightly larger than the Yellow Plum, of clear yellow color. Pkt. 5c; oz. 50c; ¼ lb. \$1.50.

Yellow Plum

120 days
A small yellow fruited variety, finely flavored, resembling a plum in size and form. Used mostly for preserving. Pkt. 5c; oz. 65c; ¼ lb. \$2.00.

"GARDEN HUCKLEBERRY" OR WONDERBERRY.
Not a true huckleberry, but belongs to the tomato and pepper family. The fruit is deep purple, nearly black, round or slightly smaller than a Concord Grape. Plants, 3 feet. Culture same as tomatoes. Pkt. 5c.

John Baer★

105 days
Is considered one of the best early tomatoes grown. Fruit is smooth, uniform in size, nearly round, firm and of excellent quality. Will hold up well for shipping. It is a heavy bearer that will last all summer. A favorite with market gardeners, shippers and canners. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb., \$4.00.

Bonny Best★

105 days
A very popular second early variety. Ripens a few days later than Earliana. Vines are vigorous, prolific, fruit red, solid, medium in size, smooth, small core and very uniform in size and color. A very popular variety for early market and also a good home garden tomato. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.

Pritchard★ (Scarlet Topper)

107 days
This variety is the most disease, wilt and rust-resisting tomato. The fruits are scarlet, large, globe-shaped and very attractive. Pritchard is highly recommended for both home and market garden. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.

Valiant★

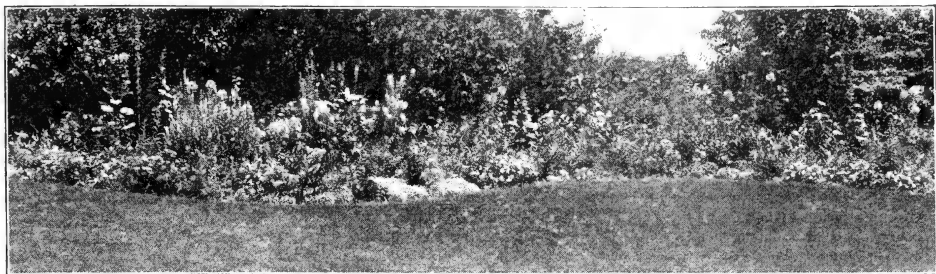
108 days
For an early tomato, Valiant produces a wonderful crop under normal weather conditions. It is not recommended for canning. Fruit is large, smooth, round and of brilliant scarlet color. Pkt. 5c; oz. 55c; ¼ lb. \$1.65; 1 lb. \$5.00.

Marglobe★

110 days
A fine blight resistant tomato and very disease resistant. It produces immense yields of handsome deep red globe-shaped tomatoes of good size with a flavor that is a happy medium between the acid and non-acid sorts. The shape and size make this a very desirable salad or slicing tomato. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.

Livingston's Beauty★

110 days
One of the smoothest skinned and best of the large sorts. The vines are large, vigorous and very productive. The fruit is large, uniform in size and very smooth. The skin is purplish-pink and flesh is pink; very solid and fine flavored. A fine variety for medium early or for main crop. A splendid sort for slicing. Pkt. 5c; oz. 45c; ¼ lb. \$1.35; 1 lb. \$4.00.



ANNUAL FLOWER SEEDS

CULTURE SUGGESTIONS FOR FLOWER SEEDS

Flower seeds should not be planted out before ground warms up. Before planting, soil should be worked up and enriched with fertilizer. This is very important and will make a wonderful difference in your plants. Do not sow your seeds when ground is wet. A good rule is to cover seeds four to six times their diameter, which means that some varieties need merely to be pressed into the soil. Most seeds are planted too deeply. Press the earth firmly around the seed when planting. As plants come up, thin out to prevent crowding. Place supports around tall-growing varieties so that they will not be damaged by wind and rain.

Starting Indoors. In order to get earlier flowers and a longer blooming season, a number of annuals such as Antirrhinum or Snapdragon, Carnations, Celosia, Lobelia, Pansies, Petunias, Salpiglossis, Stocks, Verbenas and others had best be started indoors, or in cold frames.

Abronia (Sand Verbena)

A charming trailing succulent plant that delights in dry, poor soil and sunny situation. A rapid grower for baskets, window boxes or rockeries. Its Verbena-like heads of fragrant flowers of bright rose with white center bloom in summer and fall. Plants 6 inches. **Umbellata**, Pkt. 5c.

Acroclinium (Everlasting)

Plants about 15 inches high. Lovely white or rosy pink flowers, which when out in the bud state, can be dried and used in winter bouquets. Mixed colors. Pkt. 5c.

New Large Flowered Double Hybrids. Greatly improved, the flowers are twice the size of the ordinary strain. Mixed colors. Pkt. 10c.

Agasthea (Blue Daisy)

An old greenhouse plant, 1 to 2 feet, with roundish ovate opposite leaves and an abundance of sky-blue, daisy-like flowers. Use for bedding in a protected place, also fine for house plant. **Coelestis**, Pkt. 5c.

Ageratum

A half hardy annual of easy culture, especially adapted for borders and bedding as it is literally covered with clusters of feathery blossoms from early summer until frost.

Ageratum, Midget Blue. Winner of Silver Award in the 1940 All-America Selections. Only 3 to 4 in. tall, with dense spread of 12 in., feely producing tiny tufts of true ageratum-blue or azure-blue flowers. Truest and most compact dwarf variety so far seen. Pkt. 15c.

New Ageratum Fairy Pink. A dwarf compact plant of a delightful soft salmon rose-pink color. Begins blooming when 2 inches high, at its maximum height of 6 inches, forms a solid compact mass of blooms. Pkt. 15c.

Blue Ball. Dwarf compact. Deep dark blue, 1 in. high. Pkt. 5c.

Blue Cap. Dwarf compact. Miniature. 6 inch. Pkt. 5c.

Blue Perfection. Semi-dwarf. 8 inches high. Pkt. 5c.

Little Blue Star. Flowers open light blue with purple center. 4 in. Pkt. 5c.

Mexicanum Blue. 18 in. high. Pkt. 5c.

Dwarf. white, 6 inches. Pkt. 5c.

Alyssum, Sweet

For borders, edging and rock work, we recommend a liberal use of this dainty little flower. It will keep blooming well into November here in the Northwest, and will stand many severe freezes.

Little Gem. Of dwarf compact habit, only 4 inches high. Plants start blooming very early and flower from spring until late in the fall. One of the easiest grown and most pleasing white flowered plants for border. Pkt. 5c, 1/4 oz., 20c; 1/2 oz., 25c; 1/2 oz., 35c; 1 oz., 60c.

Violet Queen. (New.) Plants are dwarf, compact, neat in habit, free flowering. The small sweetly scented flowers are a rich, deep shade of violet; one of the leading new varieties. Pkt. 5c.

Carpet of Snow (Procumbens). 2 to 3 inches high, pure white flowers that bloom so freely that the plant has a snow-like appearance all summer. Pkt., 5c; 1/4 oz., 20c; 1/2 oz., 25c; 1/2 oz., 35c.

Maritimum. Of creeping habit, 9 in. Fragrant white flowers bloom all summer. Pkt. 5c.

Lilac Queen. A very pretty dwarf plant growing about 6 inches high, of deep lavender-lilac color. Pkt. 5c; 1/4 oz., 20c; 1/2 oz., 25c; 1/2 oz., 35c.

Minimum. A very dwarf plant, only 2 to 3 inches high, with white flowers. Pkt. 5c.

Amaranthus

Brilliant foliaged annuals used as centers of large beds or for borders of tall plants. Give plants plenty of room. Grow 3 to 5 feet high. Mixed. Pkt. 5c.

Anagallis (Pimpernel)

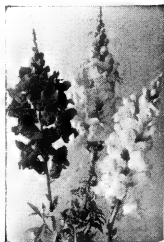
Dwarf plants 6 to 8 inches tall, with blue or red flowers. Bloom freely all summer. Flowers close at the approach of bad weather. Very effective for edgings, rockeries or in pots. Does best in a sunny location. **Grandiflorum**, mixed colors. Pkt. 5c.

Anchusa (Cape Forget-Me-Not)

A rare annual, grows 2 feet high, blooming all summer. It resembles a large beautiful Forget-Me-Not of deep blue color. Thrives in shade. Pkt. 5c.

Antirrhinum (Snapdragon)

This wonderful group of the newest creation in Giant Snapdragons far surpasses anything yet introduced. They grow 2 to 3 feet high; much larger than the half-dwarf and with still larger flowers. Closely placed on the stem. Plant or thin to 9 inches apart. For early blooms, sow indoors in March and set out in the open after all danger of frost is past. Seed in the open about May 1st for late blooming.



Antirrhinum, Rust Proof.

Apple Blossom. Rosy pink, white tube. **Canary Bird.** Canary yellow.

Cattleeye. Orchid lavender.

Copper King. Velvety bronze copper.

Golden Queen. Rich golden yellow.

Jennie Schneider. Salmon-pink.

Old Gold. Rich old gold.

Orange King. Golden orange.

Purple King. Deep glowing purple.

Ruby. Velvety ruby-red.

Snowflake. Pure white, yellow lip.

Stoplight. Vivid red.

The Rose. Deep rose pink.

Each of the foregoing. Pkt. 10c.

All colors mixed. Pkt. 5c.

Nanum Grandiflorum Rust Resistant.

Amber and Gold. A lovely dwarf and splendid for cutting. Semi-dwarf, only 18 in. tall. Plants have 10 to 12 base branching spikes. Pkt. 15c.

Rosalie. Bronze Medal winner in the 1940 All-America Selections. Rust-resistant, of intense rose-pink, with deeper center and roid suffusion. Pkt., 10c.

Grandiflorum Rust Proof. In some sections of the country Antirrhinums cannot be grown on account of the rust which attacks the foliage. These new rust-proof varieties now assure success. We consider this strain equally fine for border, cutting and florists' use. Mixed colors. Pkt. 10c.

New Majestic. Half Dwarf. The latest development in Snapdragons. Produces flowers on massive hyacinth-like spikes 18 to 24 inches, but bushy, well-rounded plants. Mixed colors. Pkt. 10c.

Arctotis (African Daisy)

A handsome annual, forming a branching bush 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, the reverse of the petals being a pale lilac blue. Blooms from early summer until frost. **Grandis**, Lilac. Pkt. 5c.

Hybrids. show y daisy-like flowers in beautiful autumn shades. Pkt. 10c.



Arctotis Grandis

Asters

Rose Marie. Honorable mention in the 1940 All-America Selections. Of the Early Giant class of China asters. Best cut-flower color of rose-pink; highly fluffy centers and long, narrow petals on 3 to 4-in. flowers, borne on long, clean, stout stems. Earlier than Giants of Cal. class; wilt-resistant. For florist and garden culture. Pkt. 10c.

Aster, Early Giant, Wilt-Resistant, Light Blue. A Silver Medal winner in the 1939 All-America Selections. Delightful clear blue, extremely large flowered, early bloomer. Pkt., 10c.

Queen of the Market. Wilt R.

About two to three weeks earlier than most other Asters; bloom profusely and are of graceful habit. The perfect flowers are borne on long stems and in great variety of colors, making them very desirable for cut flowers. 15 to 18 inches high.

Crimson. Dark Blue. Light Blue. Scarlet. Flesh Pink. White or Mixed. Pkt., 10c.

Single Chinesis. Wilt R.

Plants 2 to 2 1/2 feet, flowers daisy-like, petals wide and closely placed. Showy plants. Dark blue, lilac, scarlet, rose, white or mixed colors. Pkt. 10c.

Asters—Continued

Improved Crego Giant Comet Aster

This fine Aster grows over 2 feet tall and is well branched; of free, sturdy growth. The fluffy graceful flowers resemble the Chrysanthemum in form and are rarely less than 3 inches across.

WILT RESISTANT

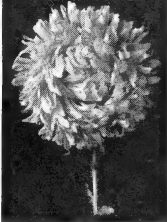
Crimson, Azure Blue, Dark Violet, Deep Rose, Orchid, Shell Pink, White or Mixed. Pkt., 10c.

Improved Giant California Sunshine

This Aster blooms in mid-season with flowers 4 to 5 inches across, composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Plants, 2 to 3 feet. Finest Mixed. Pkt. 10c.

Hearts of France. Wilt R.

Medium size flowers open ruby-red and color deepens with age. Plants are 1½ to 2 feet tall, of branching type and very robust. Begin to bloom early and flowers retain their beauty for a longer period than most Asters. Pkt. 10c.



Aster Beauty

Early Beauty.

Wilt R.

Flowers from early July until frost. The plants are from 2½ to 3 feet, with long, stout stems bearing large flowers. Crimson, Purple, White, Azure Blue, Deep Rose, or Mixed. Pkt. 10c.

American or Vick's Late Branching

This superb strain produces plants 2 to 3 feet high, bearing on long strong stems their handsome chrysanthemum-like flowers 4 inches across. The large, fluffy blooms are double to the center, of exquisite form and color.

WILT RESISTANT

Crimson, Light Rose, Purple, Azure Blue, Pink, White or Mixed. Pkt. 10c.

Improved Giants of California

The flowers are much larger than the Improved Crego, about 6 inches in diameter, and are unsurpassed as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. Plants, 2½ to 3 ft. Mixed colors, double. Pkt. 10c.

Golden Sheaf. Wilt R.

The deepest Yellow Aster that is wilt resistant. The flowers are fully double, with an attractive crest-like center, of good substance and fine depth of petal. Plants, 2 feet tall. Pkt. 10c.

Ball. Wilt R.

Bright deep Rose, early.....Pkt. 10c
White, large flowers, late.....Pkt. 10c
White, medium early.....Pkt. 10c
Deep bright Purple, early.....Pkt. 10c

King or Needle Type. Wilt R.

Flowers large and full, with needle-like petals. Finest mixed.....Pkt. 10c

Early Royal. Wilt R.

Plants branching, 1½ to 2 feet, blooming directly following the Queen of the Market. Azure Blue, Deep Rose, Salmon Rose, Scarlet, Deep Purple. White or Mixed.....Pkt. 10c

Lilliput Flowered Aster

Plants, 14 to 16 inches, producing abundant small flowers, fine for cutting. Finest Mixed.....Pkt. 10c

Imbricated Pompon Aster

Plants upright, 14 to 16 inches, small round pompon flowers, outside ray short guard petals, very early. Fiery Scarlet, Light Blue, Rose, White or finest Mixed.....Pkt. 10c

Bachelor's Button (See Centaurea Cyanus)

Balsam (Lady Slipper)

Showy and easily grown tender annuals, succeeding best in sunny locations where there is rich loam. We offer very large, extra double flowers in several colors and shining green foliage. Bloom from July to October. 18 inches high. Mixed colors. Pkt. 5c.

Bush Balsam

Differs from the Lady Slipper Balsam in that the flowers appear in clusters on the top of the stems like double roses, instead of hidden on the sides of stem. Plants are 18 to 24 inches high. Our mixture contains shades of white, rose and red. Mixed. Pkt. 10c.

Bartonia Aurea (Blazing Star)

Very showy hardy annuals producing golden yellow flowers during the summer above its gray and downy thistle-like foliage which is exceedingly brilliant in the sunshine. Blooms measure 2½ inches across. Sow it where it is to remain as it does not bear transplanting. Prefers moist situation. Fine for borders. 12 to 18 in. Pkt. 5c.

Beans, Scarlet Runner

A rapid growing annual climber, producing bright red flowers from July to September. The dense foliage makes it splendid for porches or wherever shade is desired. Vines grow about 10 ft. Pkt. 5c; ¼ lb. 15c; ½ lb. 25c; 1 lb. 45c.

Brachycome (Swan River Daisy)



Brachycome
Swan River Daisy.

Cacalia (Tassel Flower)

An attractive bedding plant about 18 inches tall bearing tassel-like orange and scarlet flowers on long, wiry stems. A good cut flower. Blooms from June to frost. Mixed. Pkt. 5c.

Calendula

Free flowering plants of easy culture, succeeding everywhere and flowering continuously. The flowers are double, showy, of large size and pleasing colors. Height, 15 to 18 inches.

Mixed colors. Pkt. 5c; ¼ oz. 15c; ½ oz. 25c.

Frisled Beauty. Deep orange with frilled petals. Pkt. 5c.

Balls Gold. Dark golden yellow flowers of erect habit, long stems. Pkt. 5c.

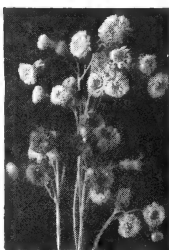
Balls Orange. Immense double flowers of a brilliant glistening orange, borne on long stems. Pkt. 5c.

A dwarf, free-flowering plant which blooms in great profusion the greater part of the summer.

The daisy-like flowers are blue and white, plants about 9 to 12 inches tall. Mixed colors. Pkt. 5c.

Browallia Elata

Pretty, free-flowering, half hardy annual suitable for summer bedding. The white or blue flowers during summer and autumn are fine for cutting. Lift and cut back in the fall for house plant. 12 to 15 inches high. Mixed. Pkt. 5c.



Cacalia.

Apricot Queen. Soft Apricot, Shaded Orange, dark eye. Pkt. 5c.

Balls Masterpiece. Long stemmed, deep orange, brown center. Pkt. 5c.

Balls Supreme. Orange, dark center. Pkt. 5c.

Baker's Pastel Bedding Mixture. A combination of the dwarfier growing types. Many new shades of apricot, cream and white are included, as well as the better known orange and lemon. Lovely for border. Pkt. 5c.

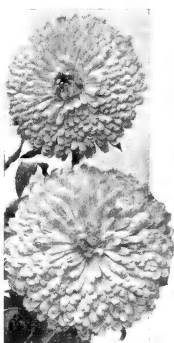
Orange Shaggy.

Winner of a Gold Medal in the 1935 All-America Selections. Deep orange in color, excellent for both garden and cutting. Pkt. 5c.

Campfire Improved.

One of the best early forcing varieties. Flowers are a dark orange, high lighted with a scarlet sheen. Pkt. 5c.

Chrysantha. Is distinct in type, outstanding among all varieties. The large double flowers are an exquisite shade of clear yellow. Ideal for cutting. Pkt. 5c.



Calendula

Orange Sunshine. Similar to Chrysantha, excepting color which is a clear light orange. The double flowers are fine for cutting. Pkt. 5c.

Radio. Deep orange, quilled petals. Pkt. 5c.



Calliopsis

Calliopsis

Showy and free-flowering annuals, blooming all summer. Excellent for cutting. You will prolong the blooming season by keeping old flowers cut off. Sow where they are to remain and thin to 8 to 12 inches apart. Of easy culture. Tall mixed, 24 to 30 inches. Pkt. 5c. Dwarf mixed, 6 to 10 ins. Pkt. 5c.

Canary Bird Vine

A quick climbing tender annual of the nasturtium family. Blossoms have curiously winged light yellow petals. Does well in the shade. Grows 10 to 15 feet in a season. Pkt. 5c.

Candytuft

Showy branching plants for edging or to fill in empty spaces in the garden. Desirable for cut flowers. Blooms 8 weeks from sowing and until frost. Plants grow from 12 to 18 inches high and succeed in any light airy place. Do not plant closer than 6 inches apart, but 8 inches is better.

Umbellata. Lilac, White, Crimson, Rose, Red, 12 inches. Each, Pkt. 5c.

All colors mixed. Pkt. 5c; ¼ oz. 15c; ½ oz. 20c.

Hyaliniflora Flowered. 12 inches. Pkt. 5c.

Empress. Pure White, 12 in. Pkt. 5c.

Little Prince. Snow White, 6-8 inches. Pkt. 5c.

Canterbury Bells (Annual)

After many years of experimenting, an Annual Canterbury Bell has been developed that will bloom from seed in less than six months. The plant grows 2 to 2½ feet tall, each plant having from 6 to 8 spikes of flowers. We offer mixed packets only, of the following colors: Pink, Rose, Dark Blue, Light Blue and White. Mixed colors. Pkt. 10c.

California Poppy (Eschscholtzia)

This is the state flower of California. The beautiful and brilliant poppy-like flowers produced on a low-growing and finely-cut silver foliage will bloom freely from spring until frost. Seed must be sown where they are to remain. Plants are about 12 inches tall.

Hybrida Grandiflora Mixed. Pkt. 5c

Aurantica. Orange, spreading type. Pkt. 5c; ¼ oz. 15c.

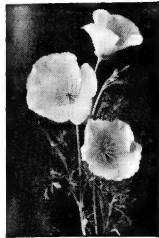
Double Golden Glory. Golden Glory with its glorious profusion of golden yellow flowers deepened at the center with orange, is showiest of all Calif. Poppies. Pkt. 5c.

Golden West. Yellow orange center. Pkt. 5c.

Lovely. Carmine rose, suffused salmon. Dwarf. Pkt. 5c.

Ramona Hybrids. Flowers are beautifully frilled and incurved. Finest mixed. Pkt. 5c.

Creamy Crinkles. (New.) Large extra double flowers of a delightful apricot-buff. Most unusual. Pkt. 10c.



Calif. Poppy.

Canna

Cannas can be grown from seed if planted early. Seed germinates irregularly in two to four weeks. 2½ to 4 feet. Mixture from newest varieties. Pkt. 5c.

Cardinal Climber

This is a very attractive, rapid growing climber attaining a height of 25 feet, with deep cardinal-red flowers, and fern-like foliage. Flowers are about one inch in diameter and are borne in clusters five to seven blooms each, from mid-summer till frost. Does best in a sunny situation and rich soil. Pkt. 5c.

Carnation

Marguerite. These carnations bloom in about five months after sowing. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, and variegated. About one-half the blossoms are extremely double, while balance are partly double and single. Most beautiful for cut flowers and very fragrant. Seeds should be sown indoors in February and transplanted to the open when all danger of frost is past. Height, 18 to 20 inches. All colors mixed. Pkt. 10c.

Castor Oil Bean (Ricinus)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored blossoms, producing a tropical effect. It thrives in rich well-drained sandy or clay loam, but is not suited for stiff clay or very sandy soil.

Borboniensis Arboreus. Very large and beautiful. The foliage is light green, Height 12 to 15 ft. Pkt. 5c.

Red Spire. The shapely bushy plants attain a height of about 6 feet, with large palmate leaves of a bronzy green with prominent red ribs and veins. The numerous large seed spikes are a brilliant rosy crimson. Pkt. 5c.

Sanguineus. Blood red stems with green foliage. Growing to a height of 5 to 6 feet. Pkt. 5c.

Zanzibariensis. The ornamental leaves of a variety of colors beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. Height 10 to 12 ft. Pkt. 5c.

All Varieties Mixed. Height 5 to 12 ft. Pkt. 5c; ¼ oz. 20c; 1 oz. 30c.

Celosia Chidsii (Chinese Woolflower)

Plants grow 2 to 3 feet high; the bloom starting early with a central globular head which reaches an immense size. Many branches are thrown out, each bearing a woolly-like ball of scarlet. These bloom as scarlet balls will continue to multiply and enlarge until killed by frost. Pkt. 5c.

Celosia Cristata (Cockscomb)

Freely flowering annuals of easy culture, producing large comb-like heads. Does better in light soil that is not too rich.

Tall, mixed, 24 to 30 in. high. Pkt. 5c.
Dwarf, mixed, 8 to 12 in. high. Pkt. 5c.

Celosia Plumosa (Feathered Cockscomb)

These are extra fine in groups, similar to the Cristata in habit of growth. Blossoms are slender, of a feathery appearance. Height, 18 to 24 inches. Mixed. Pkt. 5c.



Celosia Plumosa.

Celosia (Dwarf)

Form compact plants with numerous feathery spikes which resemble ostrich plumes. Very showy. 12 inches high. Golden Feather. Yellow. Pkt. 10c.
Flery Feather. Red. Pkt. 10c.

Centaurea Cyanus (Double Bachelor's Button or Cornflower)



Centaurea Cyanus.

Blue Boy. (New.) A great improvement over the other Blue Bachelor Button. Fully double and free flowering. Pkt. 10c.

Centaurea Cyanus Dwarf Jubilee Gem. Received 1937 All-America Award. Plants are dwarf, compact, about 1 ft. tall, and covered with vivid blue, double blooms. Fine for rockery garden and as a pot plant. Does best in semi-shade. Pkt. 10c.

Centaurea Imperialis (Sweet Sultan)

This is without a doubt the most beautiful of all Centaureas. The beautiful, sweet scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for days in good condition. The plant itself is much stronger than any other Sweet Sultan. It is of easy culture and one of the best annuals for cut flowers. Blooms all summer. Height, 15 to 24 inches. Finest mixed Pkt. 5c



Chrysanthemum, Annual Single.

Finest single or double mixed. Pkt. 5c.

Climbing Vines Special Mixture

This mixture consists of Morning Glory, Hyacinth Bean, Wild Cucumber, Cypress Vine, Kudzu Vine, Climbing Nasturtiums, etc. Pkt. 5c.

BOOKS

THE HOME GARDEN HANDBOOKS. By F. F. Rockwell. A series of books that it is a pleasure for us to recommend because each volume covers its ground so well and concisely. They will save you many steps and help you avoid disappointments. Each volume has from 30 to 70 illustrations and contains about 90 pages. Price \$1.25 per book. The titles are:

Rock Gardens Gladiolus Evergreen
Dahlias Roses Lawns
Iris Peonies

Clarkia Elegans (Double)

Bright and attractive annuals of easy culture. The long graceful sprays are valuable for table decoration. They thrive in sun or shade, growing 2 to 2½ feet high, with masses of double flowers and buds which will all open in water when cut. Blooms July and August. Bright carmine, scarlet, white, deep rose, salmon orange, or orange shading to pink, salmon pink or mixed colors. Pkt. 5c.



Clarkia Elegans.

Cleome (Spider Plant)

Showy and interesting because of the long purple spidery stamens and showy rose-colored petals. Does well in sandy soils and sunny situations. A good bee plant. The airiness of the Cleome lends a touch to the garden which nothing else gives. Blooms until late. 3 to 5 ft. Rose Queen. Pkt. 5c.

Giant Pink Queen. Second-place winner in the 1942 All-America Flower Awards. A tall and attractive border plant, 4 ft. high. Flowers of a delightful refreshing pink. Blooms from June until frost. (See rear cover.) Pkt. 25c.

FLOWERING PLANTS

During May and June we offer seedling flowering plants in the most popular varieties. Weather conditions determine just how early plants are ready, but the plant season usually begins the forepart of May and extends well into June. In ordering seedling plants, please include 15% for postage and packing within the third zone, with a minimum of 25c. Flowering plants are 30c a dozen. If you wish 100 or more of any one variety, please write us for quantity price. We also have Geraniums, Pansies, Cannas, Vinca Vines, Daisies in baskets and pots for the window box or garden.

Cobaea Scandens (Cathedral Bells) One of the handsomest and most rapid growing of the annual climbers. Climbs twenty to thirty feet in a season. The flowers are bell shaped, white or blue color. Should be started in doors. Blue, white or mixed. Pkt. 10c.

Coix Lachryma (Job's Tears)

An ornamental grass with broad leaves and shiny, pearly-like heads. Height from 30 to 40 inches. Plant early in the spring, four or five seeds in a hill, one-half inch deep, at a distance of 12 or 15 inches apart. Pkt. 5c.

Coleus

Hybridus Choice Mixed. Plants with richly colored foliage. Pkt. 10c.

Convolvulus (Rock Garden Annual)

Very fine plant for the rockery or hanging baskets. Grows 6 inches high, flowers blue with white throat. Blooms all summer. Mauritanicus. Pkt. 10c.

Corn, Ornamental Indian (Squaw)

The ears of corn have multi-colored kernels, much desired for ornamental decorations. Pkt. 5c.

Cosmidium

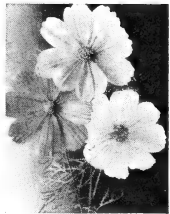
Plants grow two feet tall and produce a succession of blooms all summer. Flowers are golden yellow with a broad circle of rich orange around the disc. Pkt. 5c.

Cosmos

The Cosmos is one of the most attractive of the autumn flowering annuals. Its graceful flowers borne on long stems, rising above the feathery foliage, are very desirable for cut flowers, lasting for a week or more in water. Cosmos is very effective for interplanting with early blooming perennials.

Cosmos Extra Early Cosmos is the earliest of its kind, growing to a height of about 4 feet and if seeded in the open as soon as the soil is in condition, or transplanted from plants after all danger of frost, Cosmos will bloom from July until frost.

White, Pink, Crimson or mixed. Pkt. 5c. Mixed, ¼ oz. 15c; ½ oz. 25c; 1 oz. 35c.



Sensation. All-American 1936 winner. Flowers are 4 to 6 inches across. For best show, leave plants 3 to 4 feet apart and disbud for exceptional flowers on long cutting stems. Plants 3 to 4 ft. tall. Crimson, rose-pink, white or mixed. Pkt. 10c.

Cosmos, Sensation

Extra Early Double Sensation Mixed. Similar to the Single Sensation excepting double flowers of white, pink and crimson appear even larger. Pkt. 15c.

Early Klondyke Orange Flare. Grand Champion Gold Medal 1935 All-American Selections. Orange Flare has proven itself worthy of this honor. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3-foot well-shaped plants. If started indoors plants will flower in 60 to 70 days after setting out. Pkt. 5c.

Yellow Flare. A 1942 All-America Winner. Similar to Orange Flare except color, which is a rich golden yellow. Free flowering on long wiry stems. (See rear cover page.) Pkt. 25c.

Cosmos, Extra Early Double Crested

Grow to a height of about three feet, bearing beautiful flowers on long stems. They bloom in seventy days from seed when sown in the garden, and will continue until frost. Crimson, pink, white or mixed. Pkt. 10c.

Cuphea Firefly

A new dwarf, compact plant, about 10 inches high recommending itself for rocky, window boxes, flower pots, border or edging. The delicately formed flowers of fiery cerise red color are freely produced from mid-summer on. A tender annual. Start indoors for early blooms. Pkt. 10c.

Cut-Flower Mixture

This is a special mixture of hardy annuals in a good variety of colors that will produce a continuous succession of beautiful flowers from early summer until late in the fall. Pkt. 5c.



Cynoglossum (Chinese Forget-me-not)

An annual of easiest culture forming strong plants about 18 inches high, producing sprays of flowers delicately scented through the summer. **Amabile.** Blue, pink or mixed. Pkt. 5c. **Cynoglossum.** Firmament. Received Bronze Medal in the 1939 All-American Selections. A new dwarf type of Chinese Forget-me-not of rich blue color, 15 to 18 inches high and bushy. Easy to grow. Pkt. 10c.

Cypress Vine

A popular annual climber. It has a delicate fern-like foliage and produces a mass of beautiful star-shaped flowers. Grows from 10 to 15 feet a season. White and scarlet, mixed. Pkt. 5c.

Dahlia Seed

Wonderful blooms are obtained the first season if seeds are started indoors and transplanted out about May 15th to 20th. Some of the seeds may come up in a few days, while others may not for months. As seedlings make about two leaves, transplant into a three-inch pot or small container until danger of frost is over when they can be set out in the open. Height, 18 to 36 inches. **Single or double mixed.** Pkt. 10c. **Cactus Flowered.** mixed. Pkt. 10c. **Unwins Dwarf Giant Flowered.** mixed. Pkt. 10c. **Coltess Hybrids.** very dwarf, for bedding. Pkt. 10c. **Coltess.** Hybrids Improved. A strain with a greatly increased range of colors. Pkt. 15c.



Dahlia, Unwins

Dianthus or Pinks



Dianthus (China Pinks). Large flowers in mixed colors. Pkt. 5c. **Double Diadem Pinks.** Finest mixed colors. Pkt. 5c. **Plumarius (Grass or Clove Pinks).** Double, semi-hardy. Mixed. Pkt. 5c. **Heddevigi (Pinks).** Large single flowers. Mixed colors. Pkt. 5c. **Heddevigi.** Large double flowers, mixed colors. Pkt. 5c. **Heddevigi Lacinatus Splendens.** One of the newest additions, single flowers over two inches across. A brilliant shade of crimson with large glistening white eye. Plants, 6 to 8 in. Pkt. 5c. **Double Annuals.** Mixed colors. Pkt. 5c. **Single Annuals.** Mixed colors. Pkt. 5c. **Hardy Garden Pinks.** Will come up year after year if winters are not too severe. Mixed colors. Pkt. 10c.

Dianthus, Rock Garden Pinks

Suitable for rocky or any other hot, dry spot. Of easy culture. Will thrive in any well-drained sunny location. **Deltoides (Maiden Pink).** A beautiful little plant, bearing a profusion of small crimson flowers during June and July. 6 inches high. Pkt. 5c. **Cyclops.** Large single flowers, pink and rose shades, 15 inches. Pkt. 5c.

Didiscus Coeruleus (Blue Lace Flower)

A very attractive light blue or lavender flower produced on long stems. Very fine for cut flowers, and a continuous bloomer. A lovely plant for the garden, 24 to 30 in. high. Pkt. 5c.

Dimorphothea (African Daisy)

A rare and extremely showy annual Daisy which blooms freely under ordinary climatic conditions. The plants grow about 15 inches high producing an abundance of daisy-like flowers, the greater part of the summer and fall.

Aurantica (Orange). Blossoms a unique rich orange gold. Pkt. 5c.

Double Hybrids Mixed. These new double crested hybrids in colors of deep salmon-orange to white with many yellow and cream shades, bloom freely all summer right through the hottest period. Pkt. 25c.

Aurantica Mixed. They vary in color from white to red, and various tints of yellow, orange and salmon. Pkt. 5c.

Salmon Beauty. Soft salmon pink. Pkt. 5c.

Ringens. Flowers are large, pure white with blue zone. Pkt. 5c.

Ecklonis. Pure white, deep blue disc, reverse side lavender. Pkt. 10c.



Dimorphothea

Dolichos (Hyacinth Bean)

A rapid growing and free blooming annual climber. Very ornamental for covering trellises, arbors and porches. Makes a very beautiful combination when interplanted with scarlet runner beans, giving a variety of color. Sow in the open after danger of frost or sow early indoors and transplant out later. Grows about 10 feet a season. Purple, White or mixed. Pkt. 5c.

Echinocystis—See Wild Cucumber Vine
Eschscholtzii—See California Poppy

Everlastings

A get-acquainted collection of selected everlasting flowers. 1 to 4 feet tall. Mixed. Pkt. 5c.

Four O'Clocks (Marvel of Peru)

A popular old garden favorite, growing to a height of about 2 feet. Forms small tree-like bushes about 1½ feet through, which are covered with Morning Glory-like flowers of white, yellow, pink, orange and red, from July to October. Flowers open about 4 o'clock in the afternoon, remaining open until about noon of the next day. Make an attractive hedge plant. Colors: Red, Rose, White, Yellow or Mixed. Pkt. 5c.

Four O'Clocks
Rose, White, Yellow

Gaillardia (Blanket Flower)

A very beautiful plant and remarkable for the profusion, size and brilliancy of its flowers, blooming from early summer until frost. Fine for cut flowers. 12 to 18 in. high. Single or double mixed. Pkt. 5c. **Indian Chief.** Single, bronzy red. Pkt. 5c.



Single Gaillardia

Gaura

A graceful plant, 3 feet high, with strong, leafy stems, bearing numerous spikes of white flowers flushed with pink, from July until frost. Easily grown from seed. Prefer light soils, sunny situation. **Lindheimeri**. Pkt. 5c.

Geranium

Seed may be started indoors early in the year and will produce blooming plants the same summer. Choice varieties. Mixed. Pkt. 15c.

Gilia

These delightful flowers are rapid growers and fine for cut flowers.

Capitata (Queen Anne's Thimble). Charming and attractive bushy plants of erect habit and fine feathery foliage, blooming all summer. May be dried and used as an everlasting. Lavender. 1½ to 2½ feet tall. Pkt. 5c.

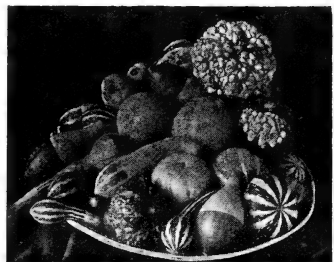
Micrantha Fairy Stars. Tiny daisy-like flowers in rose, pink, orange, yellow, cerise and cream. Plants 6 to 8 inches high. Mixed colors. Pkt. 5c.

Globe Amaranth (Gomphrena)

An attractive everlasting that produces an abundance of clover-like blossoms in many attractive colors. Flowers can be dried and used for winter bouquets. 15 to 18 inches high. Pkt. 5c.

Godetia

An attractive annual which does best in poor soil and partly shaded. The flowers are of satiny texture in many colors, blooms resembling single Hollyhocks, flowering from June to October. Tall, 18 to 24 in. Mixed colors. Pkt. 5c. **Dwarf**, 10 in. Mixed colors. Pkt. 5c. **Sybil Sherwood**. A gorgeous salmon pink, softened by an edging of white. 20 inches high. Pkt. 5c.



Ornamental Gourds

Gourds (Ornamental)

Can be easily grown in any garden soil. Gourds mature and ripen better if trained over fences or trellis. Sow seed in hills 3 feet apart and allow 3 plants to grow in each hill. Watering during flowering period will cause dropping of flowers and buds, and consequent loss of Gourds. Do not harvest Gourds until stem becomes brown and pressure with the fingernail cannot dent the shell of the Gourd. After picking, Gourds should be hung in any airy, dry place until thoroughly cured.

Caveman's Club. Small Mixed. **Turk's Turban**. Large Mixed. **Warted**. Large and Small Mixed. **Calabash (Penguin or Pipe)**. Any packet of above 5c each.

Holy Crown (Crown of Thorns or Ten Commandments). Ten prongs extend free from the front of the fruit. Color, white or ivory-white. Pkt. 5c.

Gypsophila (Baby's Breath)

Flowers a few weeks after sowing. Its graceful panicles of dainty blossoms and feathery foliage are unequalled for making up bouquets. Sow at intervals during the summer for continuous blooming. 18 to 24 inches high. White. Pkt. 5c. ¼ oz. 15c; 1 oz. 25c. Pink. Pkt. 5c. Carmine. Pkt. 5c. Mixed. Pkt. 5c; ¼ oz. 15c; 1 oz. 25c.

Helichrysum (Straw Flower)

Pretty everlasting flowers in beautiful colors, many soft and artistic shades. Splendid for winter bouquets. To preserve them cut the flowers before they are fully expanded and hang heads down in a dry place. Grow 15 to 24 inches high. Mixed colors. Pkt. 5c.



Helichrysum

Helianthus (Sunflower)

Hardy annuals of sturdy growth, remarkable for the size and brilliancy of the flowers which are very useful for cut flowers. Effective in forming background of large beds or borders and for distant effect.

Extra Dwarf Chrysanthemum Flowered. 3 feet. Double golden yellow flowers. Pkt. 5c.

Dwarf Maroon Prince. 4 feet. Single, best red. Pkt. 5c.

Miniature. 5 feet. Golden yellow, small flowers. Pkt. 5c.

Stella. 5 feet, large flowered. Pkt. 5c.

Heliotropium (Heliotrope)

A half hardy perennial flowering during the whole season. A splendid bedding plant about 18 inches high. Its delightful perfume makes it most desirable for bouquets. Start indoors or plant seed in open in May. Makes a fine house plant for winter. Colors mostly to various shades of lavender. Pkt. 10c.

Heterophyllia (Mex. Fire Plant)

Annual Poinsettia resembling in habit and color the hothouse Poinsettia. About mid-summer the center top leaves of each branch turn orange scarlet, presenting a striking appearance. Is of branching bush-like form. 2 to 3 feet high. Pkt. 5c.

Hollyhocks (Annual)

A comparatively new class of Hollyhocks. Blooms the first year from seed, when sown in April or May. The soil should be very rich, and during dry weather watered liberally. Height, 4 to 5 feet. Semi-double or single, mixed. Pkt. 5c.



Hollyhock
Indian Spring

Indian Spring. Received second highest award in the 1939 A. A. A. America's Choice. Blooms in five months from seed, with secondary blooms developing in side shoots after main flowering stem is cut away. The same season. It has semi-double to double fringed flowers in shades of pink on 4 to 5-foot plants. Pkt. 10c.

Humulus Japonicus (Japanese Hop)

One of the most rapid climbers grown. Seed may be sown in the open ground in spring and the plants will grow to an enormous size in a very short time. The foliage is luxuriant and is one of the best plants for covering verandas and trellises. Leaves are beautifully marked with white, yellowish green and dark green. It is very hardy and not affected by heat, drought, or insects. Height 10 to 20 feet. Pkt. 5c.

Hunnemannia

Giant Yellow Tulip Poppy or Bush Eschscholtzia. The best of the poppy family for cut flowers, remaining in a fresh condition for several days. Produces an abundance of brilliant yellow, tulip-shaped flowers from July until frost. 15 to 20 inches high. Pkt. 5c. **Sunlite**. A semi-double poppy of bright canary yellow, on a bush of light gray green. Plants 2 feet. Pkt. 5c.

Ice Plant (Mesembryanthemum)

Dwarf trailing plant, prized for its singular icy-like foliage. The white and pink flowers and leaves appear to glisten with dew or crystal beads. Likes dry, sunny situation. About 6 inches tall. **Crystallinum**. Pkt. 5c.

Ipomoea (Morning Glory)



When growing Ipomoeas especially **Heavenly Blue**, plant in a dry, sandy location and never apply fertilizer. Do not sow outdoors until ground is thoroughly warmed.

Heavenly Blue Improved. Similar to the old **Heavenly Blue**, but easier to grow and vines do not make such rank growth. Flowers much earlier and remain open until

late in the afternoon. Color is a deep intense blue, shading lighter toward center. Pkt. 10c; ¼ oz. 20c; ½ oz. 30c.

Pearly Gates. Silver Medal Award, 1942 All-America Selection. Seemingly identical in growth, foliage and bloom with **Clark's Heavenly Blue Morning Glory** except white in color, with a creamy shading in the throat. Grows about 12 ft. a season. (See rear cover.) Pkt. 35c.

Scarlett O'Hara. (1939 All-America Gold Medal.) Flowers are a rich wine red, blooming 65 days after seed is sown. Flowers are not quite as large as **Heavenly Blue**. Pkt. 10c.

Clark's Earliest Heavenly Blue Morning Glory. Flowers sky blue, shading golden yellow in throat. Bloom early. Pkt. 5c; ¼ oz. 20c; ½ oz. 30c.

Cornell. A 1939 All-America Selection. Large flowered, with a pure white border. Rapid grower, flowers early when vines are 2 feet tall and until frost. Pkt. 10c.

Alamo or Mile-a-Minute Vine. Foliage is fine and dainty and delicate in appearance; a quick grower, creamy white flowers with red center. Pkt. 5c.

Double Rose Marie. Flowers are a beautiful deep rose of double and semi-double form. A novelty. Pkt. 10c.

Imperialis Morning Glory. The flowers are of gigantic size, and the colorings range from snow-white to purple with all the intermediate shades. Pkt. 5c; ½ oz. 15c; 1 oz. 25c.

Noctiflora (Moonflower). Covered with large white flowers every evening and cloudy days. Seed should be started in March or April indoors. Pkt. 5c.

Tall Mixed Morning Glory. The flowers are very beautiful. Pkt. 5c; ¼ oz. 10c; 1 oz. 15c.

Dwarf Mixed. 10 to 12 in. high. Pkt. 5c.

Kochia

(Summer Cypress or Mex. Fire Bush)

Sow thinly in spring. Soon forms a cypress-like hedge of lively green and of perfect symmetry. 2 to 3 feet high. The color of entire plant changes to a deep red in autumn. Pkt. 5c; ¼ oz. 10c; 1 oz. 15c.

Lace Flower
(See **Discus**)



Kochia

INDOOR GARDENER, by Daisy T. Abbott. This book tells all you need to know for potting, repotting, watering, feeding and propagating plants indoors. 96 illus. \$1.50.

Lantana

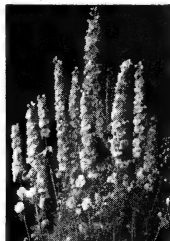
A tender perennial plant with Verbena-like fragrant flowers in shades of white, red, orange and yellow. Grow in pots and set out in summer. Blooms until late in the fall, 18 to 20 inches high. Dwarf Hybrids, mixed colors. Pkt. 10c. Hybrids, mixed. Pkt. 10c.

Lavatera (Annual Mallow)

Showy plants, 2½ feet in height, producing large cup-shaped flowers from mid-summer until frost. White, rose or mixed. Pkt. 5c.

Larkspur

These annual Larkspurs are among our showiest garden flowers. The flower spikes of various shades are among our finest for cut flowers. Spring-sown seed will produce flowers from July until frost. Larkspur thrive best in a sunny situation. Height, 3 feet.



Giant Imperial. Azure Blue, Carmine Rose, Coral Pink, Dark Blue, Deep Rose on Salmon, Delicate Lavender, Rose Pink, Salmon Rose, Soft Pink, Shadow of Salmon, Scarlet, White, Rich Red. Each Above or Mixed Colors. Pkt. 5c. Dark Blue or Mixed Colors. ¼ oz. 20c; ¼ oz. 35c.

Larkspur

Lilac King or Pink King. Pkt. 10c.

Rosamond (Double Stock Flowered). New, a pure bright rose color, holding the pure rose color until out of flower. A rare beauty. Pkt. 5c.

Super Majestic Rose Pink (New). Tremendous vigor and height of 5 foot blooms distinguish this new Larkspur. Has double rose pink flowers. Pkt. 5c.

Leptosyne

A golden yellow daisy, blooming six weeks from date of sowing. Excellent for cutting. 12 in. Stillman. Pkt. 5c.

Linaria (Miniature Snaps)

Gold Medal Winner 1934 All America Selections. The free flowering plants are very compact, about 8 inches in height, covered with a mass of dainty Snapdragon-like flowers in pastel shades. **Fairy Bouquet.** Pkt. 5c.

Linum (Crimson Flax)

One of the most effective and showy bedding plants, growing to a height of 18 to 24 inches. Flowers are a brilliant scarlet. Bloom from May until October by successive sowing. Pkt. 5c.

Lobelia (Crystal Palace Compact) Charming little ball-shaped plants covered with a profusion of deep blue flowers. Makes an excellent plant for use in edging or bedding. Fine for pot culture. 4 in. high. Pkt. 10c.

Mrs. Clibran. Deep blue, white eye. Pkt. 10c.

Hybrida Pendula Sapphire, trailing, deep blue, white eye. Pkt. 10c.

Lupinus (Lupine)

These garden favorites are among the most beautiful and few annuals give such a glorious display in the garden as do Lupinus. The long and graceful spikes of pea-shaped flowers make fine cut flowers. The glossy foliage makes a most charming background for the flower spikes. Blooms during July and August. Plant in partly shaded place. Height about 2 feet. **Hartwegi.** White, Blue, Rose, Mixed. Pkt. 5c.

Marigolds (Tall Varieties)

These old garden favorites are of easiest culture. The French and Dwarf grow 12 to 18 inches high, while the African and other tall varieties grow 2 to 4 feet.

Marigold, Mission Giant Goldsmith. An All-America 1941 Bronze medal winner. The golden orange flowers of the chrysanthemum or Dixie Sunshine type are base branching with good stems for cutting. Blooms are double, early and free-blooming on strong bushy plants, 2 to 4 feet high. Pkt. 15c.

Mission Giants Yellowstone. Honorable Mention 1942 All-America Flower Awards. Bright rich clear yellow counterpart to Goldsmith, 1941 Bronze Medal Winner. Blooms radiate an unbelievable brightness. Pkt. 25c.

Marigold, Gigantea Sunset Giants. Foliage and flowers have a delightfully sweet fragrance. Flowers will average 5 inches, plants usually from 3½ to 4 feet high. Colors range from orange, yellow and primrose. Mixed. Pkt. 10c.



Marigold Ferdinand (New.) Saucy and colorful. Ferdinand is one of the gayest of our new flowers. The single blooms have a crested center of golden yellow surrounded by a single row of mahogany-red petals. Blooms are about 1½ inches wide, plants 20 inches tall, upright and semi-compact. Does not have the strong marigold odor. Pkt. 5c.

Marigold Ferdinand

Marigold, Limelight. Bronze medal winner in the 1940 A. A. S. A new color, of pale primrose yellow or deep cream, in the early Dixie Sunshine or Chrysanthemum-flowered type. Flowers bloom early. 1½ to 2½ inches across, abundant for 8 or 9 weeks. Not odorless. Pkt. 10c.

Early Sunshine. Bronze medal winner in the 1939 All-America selections. A very early and dwarf strain of Dixie Sunshine, especially adapted for our northern sections. Plants 12 to 18 inches tall and bushy, covered with lemon yellow flowers. Pkt. 10c.

Burpees Red and Gold Hybrids (new). The only large Red Marigold in existence. Earliest of all Marigolds, blooming less than 8 weeks from seed. Plants are 1½ ft. tall, 2 ft. wide. Flowers vary from pure golden yellow to rich mahogany scarlet according to season. Profuse bloomers all summer. Pkt. 10c.

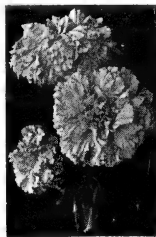


Marigold Color-etete Crown of Gold. The outstanding flower and Gold Medal All-America Winner for 1937. Odorless foliage and no B. O. Fragrance. Flowers of orange bloom early. Plant in full bloom has the appearance of solid orange on top with green base. Plants grow 2 ft. tall. Pkt. 5c.

Crown of Gold

French Tall Single Flaming Fire. Long stemmed, large single flowers, at times flaming red, at other times red and yellow. Plants 2½ ft. Pkt. 5c.

Chrysanthemum Flowered Golden Bedder. Another 1942 All-America Bronze Medal Winner. A very early bloomer of golden orange flowers on long stems. Fine for cutting. About 2½ ft. Pkt. 25c.



Marigold Guinea Gold

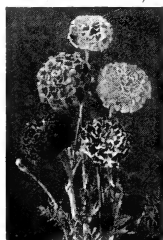
Yellow Supreme. Gold Medal Winner 1935 All America Selections. A companion to the popular Guinea Gold. Flowers are a creamy lemon yellow and somewhat larger than Guinea Gold; plants 2 to 2½ feet. Pkt. 5c.

African (Tall). Plants grow 2½ feet high and produce an abundance of large double flowers in great profusion of glowing colors from mid-summer on. Do best in a sunny situation. Orange, Lemon, or Mixed. Pkt. 5c.

Dwarf French Double Butterball. A 1942 All-America Bronze Medal Winner. Attractive, very compact, scabious flowering, canary yellow, only 6 to 10 in. tall. Very early and continuous bloomer. (See rear cover.) Pkt. 25c.

Marigold Dwarf Varieties

Marigold Dwarf Royal Scot, All Double. Special mention in the 1937 All-America Flower Winners. Of dwarf French type, 12 to 15 inches tall, large and rather flat flowers, brown and gold striped. Plants of uniform height and long blooming. Pkt. 5c.



French Marigold (Dwarf). Dwarf compact plants 10 to 15 inches high, very attractive, with mixed with hundreds of small bright flowers of various colors. Few annuals are as effective as flower so long. Double or single mixed. Pkt. 5c.

French Marigold 5c.

Dwarf French Double Melody. Received All-America 1942 Bronze Medal Award. Grows 12 to 15 in. high and literally covered with solid yellow double type flowers. Pkt. 25c.

Marigold Spry. Third highest award in the 1941 All-America winners. Extra dwarf, double French type; compact and uniform, fine for edging. About 9 in. tall, early blooming, with light orange crested center and mahogany petals. Flowers freely. Pkt. 15c.

Marigold, Scarlet Glow. A 1941 All-America Selection. Flowers are a dwarf double, of a bronzy red color, nearly two in. across. Plants compact and about 12 in. tall. Pkt. 15c.

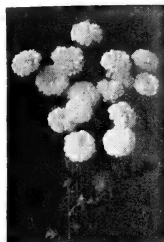
Marigold, Yellow Pygmy. Honorable mention in the 1941 All-America Selections. Very compact and ball-shaped plant, 8 in. tall, freely producing small 1 in. double French Lilliput flowers of light lemon-yellow color. Pkt. 10c.

Dwarf French Double Harmony. (New.) A charming and distinct novelty in Marigolds. The scabiosa-like formation with tubular deep orange crested petals is flanked by broad velvety dark maroon-brown outer petals. Plant about 12 inches high. Pkt. 5c.

Monarch Strain. (Dwarf French Double.) Of compact growth, flowers in combinations of orange, bronze, yellow and mahogany. Pkt. 5c.

Legion of Honor. A single flowering Marigold, compact bushes 9 inches high. Flowers golden yellow, with maroon at base of each petal. Blooms from June until frost. 10 in. Pkt. 5c.

Robert Heist. Attractive dwarf, double mahogany-red flowers. Plant grows about 12 inches high. Pkt. 5c.



Matricaria

Matricaria

The plant is covered with numerous and freely branching flower stems, which are literally covered with very double flowers, resembling a button *Chrysanthemum*.

Capensis (Feverfew). Small, double white flowers grow on plants 2 feet tall. Fine for cutting. Pkt. 5c.

Matthiola Bicornis (Evening Scented Stock)

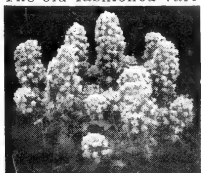
An old-fashioned little annual, with a delightful perfume which its purplish lilac flowers give out in the evening. Grows 12 inches high. Pkt. 5c.

Mignonette Reseda

A well-known fragrant plant. Can also be grown indoors, in pots for winter use. Sowings made in April and again in July will keep up a succession of bloom from early summer until frost. Grows 10 to 16 inches high.

Sweet Scented. The old-fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c; 1/2 oz. 20c; 1 oz. 30c.

Special Mixture Large Flowering. Pkt. 5c.



Mignonette



Mimulus

Moschatus (Musk Plant). Trailing plant for damp shady places. Fine for rockery. Small yellow flowers. 6 inches. Pkt. 10c.

Tigrinus (Monkey Flower). Dwarf bushy plants 1 foot high with large Gloxinia-like flowers of white, yellow, gold, pink, red and maroon. Does best in partial shade. 12 inches. Pkt. 10c.

Nasturtiums



The maximum of bloom is produced in dry gravelly or sandy soil. Water freely until plants are established. It is best to pick the blossoms almost daily. Dwarf varieties grow to a height of 12 to 15 inches; the tall, 6 to 10 feet.

Reliable Dwarf mixed varieties. Pkt. 5c; oz. 10c; 1/4 lb. 35c.

Lob's Climbing, mixed colors. Pkt. 5c; oz. 10c; 1/4 lb. 35c.

Double Nasturtium Reliable Tall mixed varieties. Pkt. 5c, oz. 10c, 1/4 lb. 35c.

Double Nasturtium, Sweet Scented

Orange Gleam. Flowers are very large, uniformly double and profusely free flowering, while the color is a deep glowing golden orange, with a deeper shading at the center. Plants are semi-dwarf, bearing the flowers well above the light green foliage on long wiry stems. Pkt. 5c; oz. 15c.

Salmon Gleam. Similar to Golden and Scarlet, excepting color which is a delicate golden salmon. Pkt. 5c; oz. 15c.

Cerise Gleam. Beautiful salmon cerise. Pkt. 5c; oz. 15c.

Golden Gleam. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect stiff stems six inches in length. Pkt. 5c; oz. 15c.

Scarlet Gleam. The flowers are a fiery orange scarlet, blooms almost 3 inches across, very fragrant. Pkt. 5c; oz. 15c.

Mahogany Gleam. Dark mahogany red. Pkt. 5c; oz. 15c.

Gleam Hybrids. Are a collection of gorgeously colored, large double flowers of dazzling beauty in colors of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange crimson, and gold flushed scarlet. Pkt. 5c; oz. 15c.

Dwarf Double Golden Globe. Identical in color with the popular Golden Gleam. Uniformly dwarf and compact. It is very free flowering, and the well-formed double flowers of deep golden yellow are very sweet scented. Pkt. 5c; oz. 15c.

Dwarf Double Gem Mixture. Plants are dwarf and compact, without runners. The good-sized sweet scented double flowers cover the plants in an excellent color range. Makes an ideal plant for border and edging use. Pkt. 5c; oz. 15c.

Mimosa (Sensitive Plant)

A curious and interesting annual with pinkish white flowers. Leaves close and droop when touched or shaken. 1 1/2 feet high. Pkt. 10c.

Nemesia

These bushy plants grow only 6 to 8 inches high but bear continuously, brilliantly colored flowers of red, orange, crimson, cream, scarlet and rose tipped with other colors. Does best in cool situation and partial shade. **Compacta.** Mixed colors. Pkt. 10c.

Nemophila (Baby Blue Eyes)

A splendid annual 6 to 12 inches high of easy culture. Flowers all summer if planted in cool, shaded locations. **Insignis Blue.** 6 in. Pkt. 5c.

Nicotiana (Tuberose Flowered Tobacco)

Delightfully sweet-scented, tubular flowers, blooming continually from July to October. Grows 2 to 3 feet high. Do well in partly shaded places. **Affinis.** Crimson, pink, white, red or mixed colors. Pkt. 5c.

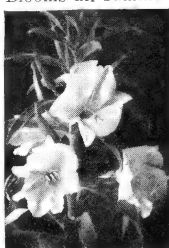
Nierembergia

A most charming plant, 5 to 6 inches tall, with lovely lavender blue flowers, heightened by a touch of yellow in the center. Blooms 15 weeks from seeding, until heavy frost. Likes full sun. Extremely beautiful in the rockery, window box, flower pot or border. Has a spread of 8 to 10 inches. A half hardy perennial. **Hippomanica.** Pkt. 25c.

Purple Robe. Received the 1942 All-America Bronze Medal Award. Flowers are several shades deeper blue or violet blue in color than the *Nierembergia Hippomanica*. About 6 in. tall. (See rear cover). Pkt. 25c.

Nigella (Love-in-a-Mist)

A compact free-flowering plant of feathery foliage, with curious looking flowers and seed pods of easy culture, growing well in any garden soil. It is a hardy annual, about 15 to 20 inches high. Flowers are light blue or white. Blooms all summer. **Mixed.** Pkt. 5c.



Oenothera

Oenothera

(Evening Primrose)

Plant 1 to 2 feet high. Produce continuously a large variety of Poppy-like flowers of rose, yellow, white, etc. Blossoms open towards evening and last well into the next day. Likes a sunny location. **Lamarckiana.** Yellow, large flowered, very showy. 1 to 2 ft. Blooms June to August. Pkt. 5c.

Pansies

Plant in a shady situation and give plenty of moisture and fertilizer. Pick faded blooms so they do not go to seed. Plants about 6 inches high.



PANSY CULTURE. The seed may be sown indoors in February or March; or in spring in the open ground, in a shady, cool spot where the plant can be protected from the strong mid-day sun. Pansies should be classed more as a biennial and seed sown every year.

Engelmann's Giant. This early flowering giant strain contains a great variety of both dark and light shades; all of the five blotched type. Pkt. 15c.

Gould's Reliable Pansy Mixture. Flowers of large size, good form and substance and pleasing range of shades and colors. Pkt. 10c.

Gould's Fancy Bedding Pansy Mixture. A mixture of many sorts which are admirably adapted for beds or borders. They are very hardy and free-blooming. Pkt. 5c; 1/16 oz. 35c; 1/4 oz. 60c.

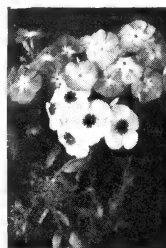
Phacelia (California Blue Bell)

An attractive and easily grown annual about 3 inches high, loosely branching with rich blue flowers. Blooms very early. Very effective for edgings, also a fine pot-plant. **Campanularia.** Pkt. 5c.

Phlox, Annual

Drummond. For beds and massing, these beautiful annuals produce immense trusses of large brilliant flowers throughout the summer. Seed may be started indoors or sown in the open ground any time after danger of frost is past. Plants grow 12 to 15 inches high. Lilac, scarlet, violet, yellow, white or mixed. Pkt. 5c.

Phlox, Gigantea Rosy Morn. Bronze medal winner in the 1941 All-America Selections. A single, annual phlox of brilliant rose with white eye. Extra large flowered, pleasing color combination and an early, free bloomer. 12 inches tall. Pkt. 15c.



Phlox Drummond Gigantea Art Shades. A new strain of Phlox Drummond (winner of 1938 Award of Merit in the All-America Selections) with florets an inch and a quarter in diameter. In addition to its enormous flowers it has a most wonderful range of color in the soft Art Shades. Plants about nine inches high. Pkt. 10c.

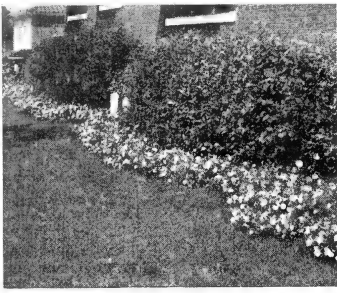
Phlox Drummond 10c.

Gigantea Red Glory. Honorable Mention in the 1942 All-America Selections. The color is a brilliant red with large creamy white eye; one of the richest bright reds yet produced. A free and continuous bloomer. Pkt. 25c.

Gigantea Salmon Glory. Awarded All-America Silver Medal in 1939. Has soft but rich salmon-pink florets with wide creamy-white eyes. Pkt. 10c.

Star. Of dwarf habit with very pretty star-shaped flowers. Grows about 12 inches high. Mixed colors. Pkt. 5c.

Nana Compacta Dwarf. Fine for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, covered with flowers all summer and fall. Grows only 6 to 8 inches high. Mixed, all colors. Pkt. 10c.



Petunias make a fine border plant. Bloom freely far into the fall.

Petunias

The Petunia is peerless among annuals for effective summer bedding or window boxes. It is of easy culture. Blossoms early and continues until heavy frost. No other flower produces a greater diversity of colors, or retains its freshness for so long a period.

Extra Selected Bedding Petunias

A superb strain of elegant, large flowers, noted for their brilliancy and variety of color.

Petunia, Blue Brocade. Highest award in the 1941 All-America flower winners. Dwarf all-double, true violet blue variety. Runs true to type and color, stock growth, fine bloomer of good sized flowers of pleasing fragrance. New and rich color in Giant Fringed type. Pkt. 50c.

Petunia Burgundy (Grandiflora Single Plain Edged). Received Special Mention 1937 A. A. S. A strong growing type with very showy flowers, 3 1/2 inches across, of rich wine red, contrasting with white throat. Plants about 12 inches tall. Pkt. 25c.

Single Fringed Dainty Lady. The first yellow Petunia has been granted Awards of Merit in both America and Europe. The flowers are of medium size and daintily fringed, delicate light yellow deepening to golden yellow at the throat. Plants are neat, compact semi-dwarf, 12 ins. high. Pkt. 50c.



Dainty Lady.

De Luxe Mixture of large flowering varieties. About 18 inches. Pkt. 5c., 1/16 oz. 20c., 1/4 oz. 25c., 1/2 oz. 40c.

Double, choice mixed. Pkt. 25c.

Dwarf Giant. (Ramona strain.) Flowers beautifully ruffled and frilled. Height 10 inches. Mixed colors. Pkt. 25c.

Single Fringed. Ruffled edge. 14 inches. Mixed colors. Pkt. 35c.

Double Fringed. A very fancy mixture producing a large percentage of double. 12 inches. Pkt. 50c.

Petunia Giants of California. Flowers are very large, with edges fringed, petals fluted and crinkled which gives a most varying range of colors. Height 12 in. Mixed colors. Pkt. 25c.

Giants of California Glamour. A 1942 All-America Honorable Mention. It has a large salmon-rose flower with brown veining on white in the throat; a free and continuous bloomer. Pkt. 25c.

Royal Purple. Large flowering single fringed. About 14 inches high. Pkt. 50c.

White Cloud. Large flowering, plain edged, pure white, dwarf, compact, 12 inches tall. Pkt. 50c.

Dwarf Bedding Petunias

Very fine types of dwarf, erect growing Petunias suitable for massing, borders or window boxes. Plants 8 to 12 inches.

Miniature Ruffled Betsy Ross. Color is red and white, with white blending to golden and dark red throats, producing a decidedly gay effect. Flowers are 2 1/2 inches in diameter; completely covering plant. Pkt. 25c.

Blue. Mid-blue. Pkt. 10c.

Celestial Rose. Deep rose. Pkt. 10c.

Petunia, Cream Star. Second highest Award in the 1940 All-America Awards. Flowers are a soft, creamy white, bluntly star-shaped, and with a star of cream coloring on the white flowers. A welcome bedding variety. Pkt. 15c.

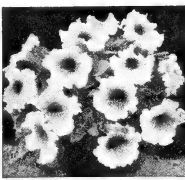
Petunia First Lady. A 1941 All-America winner. Exceptionally uniform dwarf Petunia. Large flowers with a unique and distinct color of beautiful light or bluish pink in profusion all season. Uniform, compact, 12-in. plants. Pkt. 15c.

Crimson. Small flowers. Pkt. 10c.

Petunia, Glow. (Hybrida Nana Compacta.) Highest in the 1940 All-America selections. A dwarf, compact, ball-shaped plant of bright rose-red and lighter throat. It is extremely free flowering all season, true, rich coloring. Pkt. 25c.

Ruffled Martha Washington

Award of Merit 1935 All America Selection. The plants are about nine inches tall, in a perfect ball effect, actually covered with dozens of the delicately ruffled medium-sized flowers. The color is bluish pink at the edges, deepening to dark violet in the throat, with heavy veining. Is excellent for use as a bedding, border, window box or pot. Pkt. 25c.



Petunia, Ruffled Martha Washington

Dwarf Rose Gem. Given the Award of Merit in the 1936 All-America. It forms a compact plant 5 to 6 inches high and 8 inches wide literally covered with 25 to 30 deep rich rose flowers, at one time. Individual blooms are 2 inches in diameter. Splendid for bedding, rock gardens, borders and window boxes. Pkt. 10c.

Rose of Heaven. Brilliant rose pink. Pkt. 10c. 1/32 oz. 20c., 1/16 oz. 35c.

Rosy Morn. Clear pink, white throat. Pkt. 10c. 1/32 oz. 20c., 1/16 oz. 35c.

Silver Blue. Light blue. Pkt. 10c.

Snow Ball. Large, white. Pkt. 10c.

Twinkles. Brilliant rose, starred white. Pkt. 10c.

Velvet Ball. A Bronze Medal winner in the 1939 All-America Selections. A dwarf counterpart to the 1936 Gold Medal Winner, Flaming Velvet. Mahogany red flowers with a violet hue. Plants compact and a long season bloomer. Pkt. 25c.

Violaeca. Deep velvety purple. Pkt. 10c.

Petunia Violet Gem. Received honorable mention in the 1941 All-America selections. The miniature 1 1/2 inch flowers of rich violet blue are deeply lobed and broadly pointed. Plants compact and only six inches tall. Fine for edging and pots. Pkt. 15c.

Mixed Colors. Pkt. 10c.

Finest Mixture. New, well balanced color range. Pkt. 15c.

Hybrida Petunias

Plants are about 15 inches high, small flowered and extremely free blooming. Suitable for bedding, borders or window boxes.

Blue. Violet-blue. Pkt. 5c.

Flaming Velvet Petunia. 1936 Gold Medal Winner. Color a rich deep, velvety crimson in the small flowering type. Outstanding for color, type and uniformity. A brilliant Petunia for bed or border. Height 15 in. Pkt. 10c.

Genl. Dodda. Blood-red. Pkt. 5c.

Hollywood Star. (Hybrida.) Awarded 1939 Silver Medal in the All-America Selections. A lovely new Petunia of rich rose color with creamy yellow in the throat. Flowers early, a very heavy bloomer until killed by frost. Pkt. 10c.

Howard's Star. Reddish-purple, white star. Pkt. 5c.

Petunia, Radiance. Second highest award in the 1941 All-America flower selections. A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely, of uniform height branching nicely. An outstanding Petunia. Pkt. 15c.

Rose King Improved. (New.) Clear rich rose with a delicate light golden throat. Pkt. 10c.

Topaz Rose. Fiery Rose, suffused gold, throat topaz. Pkt. 10c.

Violaeca. Deep violet. Pkt. 5c.

White King. Pure white. Pkt. 5c.

Mixed Colors. Pkt. 5c.

Balcony Petunias

A splendid single flowering type for window boxes, vases, hanging baskets, etc. The flowers bloom all summer long. Trail about 15 inches.

Alba. White. Pkt. 15c.

Balcony Rosy Morn. (New.) This popular color of pink with white throat is still more beautiful than the bush type of the same name. Pkt. 15c.

Cornflower Blue. Rich blue. Pkt. 15c.

Deep Blue. Pkt. 15c.

Netted Blue Gem. Steel blue veined deep violet. Pkt. 15c.

Red. Crimson. Pkt. 15c.

Rose. Rose. Pkt. 15c.

Royal Blue. Deep velvety purple-blue. Pkt. 15c.

Star of California. Violet crimson, white star. Pkt. 15c.

Mixed Colors. Pkt. 15c.

Poppies

Sow as early in the spring as possible, where the plants are to remain, as they will not bear transplanting. Be sure to thin out plants as they come up, to 4 to 6 inches apart. Sow at intervals to keep up a succession of bloom. As cut flowers they are short lived, but if their stems are dipped in boiling water for just one moment when cutting they will last much longer. Height, 20 to 30 inches.

According to a recent ruling of the Federal Narcotics Department, it is illegal to have in one's possession plants from which opiates may be extracted. Therefore we are not listing several of the poppy varieties we did in former years.

Gould's Reliable Single Shirley. A charming strain of poppies, ranging from snow-white through all the delicate tints of pink, rose, carmine, crimson, blood-red and salmon. Height 30 inches. Mixed colors. Pkt. 5c., 1/4 oz. 15c., 1/2 oz. 25c.

Gould's Reliable Double Shirley. Flowers are double and semi-double. Have the same wide range of colors as the Single Shirley. Height 1 1/2 feet. Mixed colors. Pkt. 5c.; 1/4 oz. 15c.; 1/2 oz. 25c.

Flanders. Single, the well-known poppy of Flanders Field. The vivid scarlet-red flowers are very showy when grown in masses. Height 2 1/2 feet. Pkt. 5c.

American Legion. Beautiful large single flowers of a bright orange-scarlet color. Plants grow about 2 1/2 feet high. Pkt. 5c.

Poppy, Single Shirley

Tulip Poppy (Glaucum). Large tulip shaped flowers of dazzling scarlet. Grow 20 inches high. Pkt. 5c.

Portulaca (Moss Rose)

A low growing annual with thick stems and foliage, bearing brilliant colored cup shaped flowers during the entire summer. This plant is suitable for rockeries and banks and will grow and bloom profusely in a dry hot situation where other plants would fail. Plants about 6 inches high.



Portulaca, Moss Rose

Single Mixed colors. Pkt. 5c; 1/16 oz. 25c; 1/4 oz. 35c; 1/2 oz. 50c.
Double Mixed colors. Pkt. 10c; 1/16 oz. 30c; 1/4 oz. 45c; 1/2 oz. 75c.
Grandiflora Double. In colors of pink, salmon, scarlet, white, yellow, or mixed. Pkt. 15c.
Grandiflora, Single, large flowers, mixed colors. Pkt. 10c.

Queen Anne's Lace Flower

An old favorite of our grandparents. Plants grow upright 2 to 2 1/2 feet high, heavily branched, with white flowers spread out umbrella-like from each branch end. Easily grown and cut flowers last long in water. Pkt. 5c.

Rhodanthe (Everlasting)

One of the finest and most beautiful of the Everlasting flowers. For winter bouquets, the dainty flowers will retain their brilliancy for years. 12 to 15 inches. Mixed, Pkt. 5c.

Ricinus (See Castor Oil Bean)

Rudbeckia (Cone Flower)

Attractive annual of compact growth. Excellent for cutting. Golden yellow flowers with brown markings, on long stems. Grows 2 to 3 feet high. Blooms June to August.

El-color Superba, golden yellow with brown center. Height, 2 feet. Pkt. 5c.
Starlight, Honorable Mention in the 1942 All-America Selections. The branching plants about 3 ft. tall. Flowers fully double to single, colors primrose yellow to mahogany and blue long stems. Pkt. 25c.

Salpiglossis (Painted Tongue)



Salpiglossis

Tongue. Flowers large, fancifully veined in contrasting colors. Pkt. 5c.
Dwarf Large Flowering. A new type of Salpiglossis, about 8 inches shorter than the spreading types. Plants are bushy and compact and flowers surpass the taller varieties in size and color combinations.
Blue and Silver. Velvet Violet. Mixed. Any of above, Pkt. 10c.

Rock Garden Mixture

This is a fine variety of annual flowering plants suitable for Rock Gardens. A select mixture. Pkt. 5c.

Salvia (Scarlet Sage)

A standard bedding plant 12 to 24 inches tall, that keeps the garden bright with color until late in autumn.

It is especially adapted for a border in front of tall shrubs or in back of dwarf growing plants. Salvia should be started indoors and transplanted to the garden after danger of frost is past. **Splendens.** Blooms from August until killed by frosts. The old favorite, producing scarlet flowers in summer and fall. Height about 2 ft. Pkt. 15c.



Salvia Splendens

Sanvitalia (Creeping Zinnia)

An annual of dwarf, compact growth; but spreads itself over the soil instead of growing upright. Useful for rockery, edging, beds, baskets or vase. Showy, bright yellow flowers bloom all summer. **Procumbens.** 6 ins. Pkt. 6c.

Flowering Plants

During the months of May and early June we offer daily many thousands of annual seedling flower plants.

Scabiosa (Mourning Bride)

Commonly known as the Pincushion Plant, growing to a height of 20 to 30 inches. The flower stems are long and the blossoms keep well in water. When picked off regularly they will bloom all through the summer.

Large Tall Double. 2 1/2 ft. high.

Large and greatly improved variety.

Azure Blue.
Black Purple.
Cherry Red.
Fiery Scarlet.
Mid-blue.

Pure White.
Reddish Black.
Rose.
Rosy Lilac.
Salmon Rose.
Yellow.

Any of above or Mixed Colors. Pkt. 5c.
Scabiosa, Pence. Honorable mention in the 1941 All-America Selections. The fully double white flowers are semi-tall and easier handled than the taller varieties. Flowers nearly 2 inches across on 6 to 8 inch stems. Pkt. 15c.
Heavenly Blue. Winner in the 1940 All-America Selections. A distinct and lovely azure-blue, very early and free flowering. Plants are dwarf, about 18 inches, uniformly bushy and loaded with short but wiry stemmed, high crowned, double flowers. Pkt. 5c.



Scabiosa

New Salmon Beauty. This new giant Scabiosa of pure salmon color is the result of 12 years of work. Pkt. 5c.

Roseette. A lovely new color. A beautiful shade of deep rose heavily suffused with salmon. An exquisite color for the garden and for cut flowers. Blooms are large on long, stiff stems. Pkt. 5c.

Blue Cockade. This long stemmed and free flowering Scabiosa is outstanding. The deep azure blue flowers are almost conical in shape. Pkt. 5c.

Giant Flowered Hybrids. Mixed. Large ball-shaped flowers, unusual colors. About 2 1/2 feet tall. Pkt. 5c.

Tom Thumb Mixed. Miniature plants, only 6 to 8 in. high. Pkt. 5c.

Blue Moon. Honorable Mention in 1939 All-America. This new introduction has no pincushion center but flowers are literally double, color a rich deep lavender blue on long stems. Plants about 12 to 48 inches in height. An outstanding flower. Pkt. 10c.



Scabiosa Blue Moon

Schizanthus (Butterfly Flower)

A charming annual which yields an abundance of blooms on delicate fern-like stems from July to September. Very desirable for cut flowers and a nice house plant. Height 6 to 24 in.

Sunset Hybrids. A new strain consisting of bright red and carmine shades, delicately marked with gold or white. 20 inches tall. Mixed colors. Pkt. 10c.
Excelsior Compactus. Finest Mixed. Semi-dwarf, free flowering. 6 inches. Pkt. 10c.

Dr. Badgers Giant Flowered Hybrids. A super strain, 1 1/2 to 2 feet. Pkt. 10c.

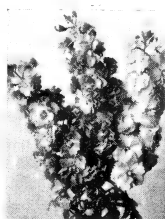
Snapdragons—See Antirrhinum

Statice (Everlasting)

A very charming flower in the garden which may be cut and dried for winter bouquets. 3 ft. Mixed colors. Pkt. 5c.

Stocks (Early Giant Imperial)

Improved Bismarks. One of the most highly prized of our annuals. This select strain produces a high percentage of double flowers. Suitable for pots as well as the garden. The delightful fragrance, free blooming, long lasting character make them invaluable for cut flowers. Flower from July until October. Grow to 30 inches tall.



Stocks

Mixed colors. Pkt. 10c.

Sweet Peas—See next page.

Sweet William (Annual)

The plants are of the same type and habits as of the old perennial kinds, but this annual variety will bloom the first year from seed. The flowers are very similar to the older sorts, having a variety of colors and very fragrant. 15 to 20 inches. Mixed colors. Pkt. 5c.

Tagetes (Single Dwarf Marigolds)

Dwarf, compact, bushy annuals of the Marigold family, with beautiful fern-like leaves, densely covered with flowers of bright orange and golden yellow, which flower from June until frost. A fine plant for the border or rockery, also potting.



Tagetes Gnome

Signata Pumila. Bright orange flowers covering the small bushy plants all summer. A lovely little plant, 10 inches. Pkt. 5c.

Signata Pumila Little Giant. A new strain, very dwarf plants, only 4 to 6 inches high and a spread of 8 to 10 inches, with an abundance of dainty single golden orange flowers. Pkt. 5c.

Sweet Peas

Sweet Peas are one of the most fascinating flowers of all garden annuals. The blooms, with their long wiry stems, delicate fragrance, and great variety of fascinating shades, have a grace and individuality for table decorations that no other flower quite equals.

How to Grow Fine Sweet Peas

We can all grow fine Sweet Peas with lovely long stems if we will observe a few simple rules.

First—Good seed. Second—Rich soil, deeply dug. Third—Early sowing. Fourth—Early staking. Fifth—Frequent fertilization to insure healthy, rapid and continuous growth. Sixth—Keep soil loose and porous.

Select an open sunny spot in the richest part of the garden and then apply a thick layer of pulverized sheep manure 18 inches wide. Remember that Sweet Peas are deep rooting plants so that the soil must be deeply and thoroughly worked. Spade the sheep manure in as deep as the fork will go and turn the soil over three or four times so that the manure becomes thoroughly mixed with it, then level, and your bed is ready for planting. Sow in double rows, that is, open two drills about 8 to 10 inches apart and 4 to 5 inches deep and scatter the seed liberally, but not too thick (about one ounce to 15 running feet), then cover. The support for the plants to climb on is placed in the center of the two rows and should be in place by the time the plants are 2 inches high.

Success with Sweet Peas necessitates a rapid, healthy and vigorous growth during the cool weather of April and early May. An application of Vigoro about May 1 will help the plants to get their growth during this cooler weather.

Sweet Peas require sufficient plant food at all times, and you will find that a top dressing of sheep manure, Vigoro or bone meal applied regularly every two weeks and hoed in will help produce strong healthy vines.

Prices on Sweet Peas

All varieties except Spring Flowering—Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 45c; 1 lb. \$1.60.

Blue

Commander Godsal. The color is an attractive shade of navy blue. Flowers are large, wavy and fluted.

Gleneagles. Light blue.

Heavenly Blue. Delphinium blue.

Jack Cornwall. Dark violet blue.

Ruffed Blue. Mid-blue.

Cerise

Ruffed Crinkles. Cerise pink.

Fiery Cross. Bright orange cerise.

Ruffed Exquisite. Salmon cerise.

Cream

Daffodil Improved. Large rich deep cream, exquisitely frilled and waved.

Dobbie's Cream. Deep cream.

Mastercream. Deep cream.

Crimson-Scarlet

Campfire. Vivid scarlet.

Captain Blood. Brilliant blood scarlet, veined copper.

Charity. Brilliant crimson.

Derby Day. Sparkling crimson.

Huntsman. Bright scarlet.

Ruffed Crimson. Rich velvety crimson.

Sybil Henshaw. Rich crimson.

Welcome. Dazzling scarlet.

Lavender-Mauve

Austin Frederick Imp. Giant lavender.

Chieftain. Pure satiny mauve.

Highlander. Clear lavender.

King Mauve. A very pleasing shade of deep mauve. Of immense size.

Powerscourt. Fine lavender of mammoth size. A lovely variety.

Maroon

Splendour. Giant red maroon.

The Sultan. Black velvety maroon.

Orange

Colorado. Bright orange.

Gold Crest. Orange tinted salmon.

Guinea Gold. Golden orange.

Improved Tangerine. The finest of orange colored Sweet Peas. Color almost a tangerine orange tint.

Prince of Orange. Deep orange, a wonderful color. Rich and brilliant.

Orange shades of Sweet Peas should be shaded from strong sunshine to retain their rich color.

Pink

Fluffy Ruffles. A remarkable large, double, light cream-pink.

Hebe. Large bright pink.

Hercules. A magnificent pure pink.

Miss California. Salmon cream-pink.

Picture. Color is a blend of cream and pink shades, having a deeper flush on the wings, exquisitely frilled.

Pinkie. Large rose-pink.

Rosie. Deep rose-pink.

Royal Pink. Large, beautiful blooms of shrimp pink.

Ruffed Rose. Soft rich rose.

Purple

Royal Purple. Very rich and warm purple; having a slightly softer color tone; early. Flowers are large.

Salmon

Barbara. Fine soft salmon.

Smiles. Salmon Shrimp pink.

White

Avalanche. Glistening white.

Burpee's Giant White. One of the most perfect white Sweet Peas produced.

Constance Hinton. Giant white.

King White. Noted for the glistening purity of the whiteness.

Ruffed White. Extremely ruffled.

Gould's Reliable Mixture Sweet Peas. Is composed of a special selection of varieties to produce a harmony of colors that is rarely offered in mixtures.

Sweet Pea, Spring Flowering, Rose-Pink. Silver medal winner in the 1940 A. A. S. A new type maturing between the early or summer flowering classes. Rose-Pink is taller, with longer stems. Prolongs the greenhouse season. Outdoors, they are very free bloomers and more heat-resistant than other types of Sweet Peas. Flowers are large, wavy, rose-pink on white ground.

Sweet Pea, Spring Flowering, Blue. Received bronze medal in the 1940 A. A. S. Similar in type, growth and blooms to Rose-Pink, except in its medium marine blue color. Pkt. 10c.

Sweet Pea, Spring Flowering, Lavender. Honorable mention in the 1940 A. A. S. While not as popular a color as Rose-Pink and Blue, in this new class, it will be welcomed to help fill the color range, of these early, long stemmed flowers in the garden. Pkt. 10c.

Spring Flowering. Mixed Colors. Pkt. 10c.



Inoculate seed with Nitragin. Makes finer, more vigorous and healthier Sweet Peas. Garden size, postpaid 12c.

Thunbergia (Black Eyed Susan)

A beautiful, rapidly-growing annual climber. Used extensively in hanging baskets, vases, etc., and to cover low fences. Can be used in the rockery as it will trail over the ground, forming a dense mat of foliage and trumpet shaped flowers. Colors range through all shades of yellow, orange, buff, to pure white with dark centers. Will grow 5 feet. Finest mixed. Pkt. 5c.



Thunbergia



Tithonia.

Tithonia (Mexican Sunflower)

An odd plant growing 5 to 7 feet high, that throws up from the root many stout, woody stalks like the Dahlia, with large foliage. The dazzling orange-scarlet flowers resemble the single Zinnia. Speciosa. Orange Vermilion. Pkt. 5c.

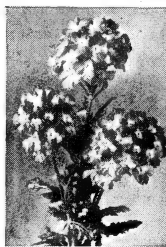
Torenia (Wishbone Flower)

Bushy plants 10 inches high covered with lovely, rich colored spider-like flowers of sky blue with a touch of gold on the tip. Fine for beds, pots, or hanging baskets. Fournieri. Pkt. 10c.

Verandium

Produces long daisy-like flowers similar to the African Daisy, of deep orange, apricot, cream, white, yellow or salmon colored flowers 4 to 5 inches across marked at center with a redish-brown zone. Plants grow 2 to 3 feet. Fastuosum. Hybrids. Pkt. 10c.

Verbena



Verbena.

The Verbena is one of the most popular garden annuals. Verbenas are particularly fine for beds, borders, window boxes, or as an undergrowth to tall plants. The sweetly scented flowers are borne in large clusters and bloom profusely from mid-summer until late in autumn. Plants 12 inches high.

Hybrida Grandiflora.

Blue, white eye. Dark Blue, cream eye. Salmon cerise. Flame Pink. Red, cream eye. Rose pink, white eye. Scarlet. Violet, white eye. White. Mixed colors.

Each of above. Pkt. 5c.

Blue Sentinel. Bronze Medal winner in the 1939 All-America Selections. Plants compact 10 to 12 inches high, flowers a rich navy blue self color held erect above foliage. Fine for cutting and dark beds. Pkt. 10c.

Crimson Glow. Flowers are pure glowing crimson, wholly without even a small light eye. Pkt. 10c.

Beauty of Oxford Hybrids. Shades from rose pink to red. Pkt. 10c.

Lavender Glory. New, lavender medium cream eye. Pkt. 10c.

Hybrida Compacta Erecta. A distinct new type of Verbena, very compact, dwarf. Fireball. Brilliant crimson. Pkt. 10c.

Erinoides (Moss Verbena). Produces a mass of moss-like foliage above which are borne heads of purplish-blue or white blossoms. Flowers from June until frost. 12 in. Pkt. 5c.

Venosa. This variety is largely used for bedding purposes. Strong thrifty grower and covered with bright purplish heliotrope flowers from early summer until late fall. 1 foot. Pkt. 5c.

Vinca Rosa (Periwinkle)

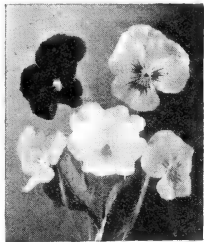
Ornamental free-blooming plants with light green shiny foliage, and handsome pink and white flowers. May be taken up in fall and potted and kept in bloom through the winter. Sow seed indoors early, or in the open when ground is warmed up. Grow 12 to 15 inches high. Mixed. Pkt. 5c.

Violas (or Tufted Pansies)

Resembling miniature pansies or violets. Do well in sun or shade and flower from early summer until frost. Splendid for border or rockery. Height, about 6 inches.

Apricot. Beautiful rich apricot shade, center tinged orange. Pkt. 15c.

Jersey Gem. Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Pkt. 25c.



White Perfection. One of the finest whites. Pkt. 10c. Finest mixed. Pkt. 10c.

Virginia Stock

These fragrant little flowers are only 6 inches tall, but sown early, will give you a lot of color between the spring and summer flowers. Mixed. Pkt. 5c.

Wallflower (Goldlack)

Are a half hardy perennial but had best be treated as an annual in this vicinity. Their adaptability for pot culture and outdoor bedding and the peculiar sweet fragrance of their flowers should win favor. They are easily grown and last long as cut flowers. Bloom in July and August. Plants grow about 18 inches high. Single or double, mixed. Pkt. 5c.

Wild Cucumber Vine (Echinocystis)

The quickest climber known for covering verandas, houses, trellises and arbors. It will withstand the heat and drought and retain its fresh green color until frost. Has white, fragrant flowers. Height 15 to 20 feet. Pkt. 5c. 1/2 oz. 15c. oz. 25c.

Wild Garden Annual Flower Mixture

The easiest and surest growing annuals that will produce an abundance of flowers for cutting. Pkt. 5c. 1 oz. 15c. 2 oz. 25c. 1 lb. 35c.

Xeranthemum

Another of the Everlastings. The flowers are small, but very double and come in shades of white, pink and purple with silvery foliage. Very desirable for drying and winter bouquets. Height, 18 to 24 inches. Pkt. 5c.

Zinnias

Zinnias are one of the most desirable and lovely flowers in the garden. They grow well in partial shade but like most flowers do best in a sunny location. The seed may be planted in the garden from May 1st to June 1st, and when the plants are 2 or 3 inches high they should be thinned out to 12 or 15 inches apart. If earlier blooms are wanted the seed may be started indoors and transplanted to the open garden from May 15th to June 1st. Flower from early summer until frost.

FANTASY

Given Award of Merit 1935 All-America Selections. Color of flowers range through shades of red, yellow and orange as well as the popular pastel pinks and cream. Plants 2 1/2 to 3 feet. Mixed. Pkt. 10c.

Fantasy, White Light. 1939 All-America Selections. About as pure white as a Zinnia comes, on 2 1/2 to 3 ft. bushy plants. Pkt. 10c.

Fantasy, Wildfire. A rich dazzling scarlet in this popular Zinnia type. Pkt. 10c.

Zinnia Fantasy, Star Dust. Received the second highest award in the 1937 All-America winners. Flowers are a rich deep golden yellow. The 2 to 3-foot plants bloom in about 45 to 50 days from planting. Pkt. 10c.



Fantasy Zinnia.

TALL, LARGE FLOWERED ZINNIAS

GIANT DAHLIA FLOWERED. 2 1/2 TO 3 FEET

Canary Bird. Rich canary yellow.
Crimson Monarch. Largest of the red.
Dream. Deep rosy lavender.
El Dorado. Salmon apricot.
Exquisite. Light rose, center deep rose.
Golden Dawn. Golden yellow.
Golden State. Rich orange yellow.
Illumination. Deep rose, self color.
Luminosa. Bright deep pink.
Meteor. Rich deep red, very large.
Old Gold. Various shades of old gold.
Old Rose. Real old rose shade, large.
Oriole. Orange and gold bicolor.
Polar Bear. Very large, creamy white.
Purple Prince. Deep purple, large.
Scarlet Flame. Bright scarlet.
Each above or mixed colors. Pkt. 5c; 1/16 oz. 15c; 1/4 oz. 20c; 1/2 oz. 25c.



Dahlia Flowered Zinnia.

Dahlia Flowered Royal Purple. Honorable Mention 1942 All-America Selections. The deep reddish purple tones of Royal Purple are a charming reminder of the soft velvet of regal robes. Pkt. 15c.

David Burpee. The flowers have curled and quilled petals, similar to chrysanthemums, up to 6 inches across and 4 to 5 inches deep. Colors run to pastel shades and bleedings of 2 or 3 colors. Plants 3 feet. Pkt. 10c.

Howards Giant Crested. Striking new large flowered cutting Zinnia, produced by crossing Dahlia Flowered and Scabiosa types. A gorgeous new strain you should grow in your garden. Mixed colors. Pkt. 10c.

SCABIOUS FLOWERED MIXTURE
Plants 2 to 2 1/2 feet high, flowers resemble Annual Scabiosa. Colors include crimson, scarlet, orange, yellow, pink and white. Mixed colors. Pkt. 5c.

GAILLARDIA FLOWERED

Navajo. Another new Zinnia type. The flowers are very attractive, of medium size, about 2 inches in diameter. Plants are about 2 feet tall. Colors: Rose, pink, bronze, yellow, orange, lavender and combinations of these colors. Mixed colors. Pkt. 5c.



Scabious Flowered Zinnia.

PUMILA PICOTEE DELIGHT

Flowers medium, petals curled, with picotee markings. Plants 2 to 2 1/2 feet. Finest mixed. Pkt. 10c.

CROWN O'GOLD

An outstanding novelty among Zinnias. Each petal is overlaid with a deep golden yellow at base, while carrying out the individual flower color at tip. **Desert Gold.** A new introduction containing the light and deep hues of gold. Plants 2 1/2 to 3 ft. Pkt. 10c.

DWARF, SMALL FLOWERED ZINNIAS

Zinnia, Black Ruby. A 1941 Bronze medal winner in the All-America selections. Color a deep velvety maroon. Plants 18 inches tall of the Lilliput or Pompon type. Flowers on long stems. Pkt. 10c.

Linearis. (New.) A dwarf early flowering Zinnia, only 8 to 10 inches high with a spread of as much as 2 feet. The single flowers are a deep golden orange with a delicate light yellow stripe with dark center. Pkt. 10c.

Lilliput Pastel Mixture. Dwarf compact plants, 12 to 15 inches in height. Mixture includes soft shades of apricot, peach, yellow, pink, salmon, rose and orchid. Mixed colors. Pkt. 5c.

Imp. Lilliput. These plants form little bushes and are covered with tiny short stemmed very double flowers. Bloom all summer until late in the fall. Fine for borders. Grow 12 to 15 inches high. Colors: Yellow, Crispin, Golden Orange, Rose Pink, Salmon Rose, White, Scarlet, Burnt Orange, Lilac, Purple or mixed. Pkt. 5c; 1/16 oz. 15c; 1/4 oz. 20c; 1/2 oz. 25c.

Red Riding Hood. Grows but a foot high, of compact form and covered the entire season with double, intense scarlet flowers. Fine for border. Pkt. 5c.

Early Wonder. A new race of dwarf, early flowering Zinnias, producing masses of flowers on long stems. Especially recommended for cut flowers. Deep Orange, Fiery Salmon, Cerise Pink, Rose Pink or Mixed. Pkt. 10c.

Tom Thumb. Plants are only 4 to 6 inches high, compact, covered with red, orange, yellow, pink, rose and other pastel shades. Excellent pot plant. Mixed colors. Pkt. 5c.



Haageana Dwarf Zinnia.

mixed colors. Pkt. 5c.

Haageana (Mexican Hybrids). These small double flowers are fine for bedding masses of flowers on long stems. Especially recommended for bouquets. Mixed colors. Pkt. 5c.

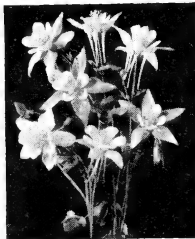
Pumila Double (Cut and Come Again). Plants are 12 to 18 inches high, flowers 2 1/2 to 3 inches in diameter. Early, fine for cut flowers. Colors: Canary yellow, salmon, rose, scarlet, white, rose pink or mixed colors. Pkt. 5c.

PERENNIAL FLOWER SEEDS

Aquilegia (Columbine)

Charming hardy perennial plants growing from 12 inches to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, lavender, yellow and purple. For planting in permanent borders along woods or shrubbery they are unsurpassed. Fine for the rockery.

Coerulea (Rocky Mountain Columbine). A lovely combination of blue and white. Blooms May to July. Plants 1 to 2 feet. Pkt. 10c.



Aquilegia

Mrs. Scott Elliott's Strain of Long Spurred Hybrids. This is one of the very finest strains grown. Height, 2 1/2 feet. Mixed colors. P k t. 10c.

Dobbie's Imperial Long Spurred. A fine strain producing large flowers in brilliant colors. Height about 2 1/2 feet. Pkt. 10c.

Arabis Alpina (Rock Cress)

Plants are spreading, only 12 inches high, with pure white flowers in spring. Pkt. 10c.

Armeria

A pretty border or rock garden plant that does well even in poor soil. Foliage is grass-like, above its base numerous stiff stems carry little globe-shaped flowers in early summer. Perfectly hardy. Height 6 to 24 inches.

Formosa Large Flowering Hybrids. 24 inches tall. Pkt. 10c.

Asters

Single fall-flowering hardy herbaceous plants thriving in any good garden soil producing masses of dainty and brightly colored blossoms. Dwarf varieties bloom in late spring and early summer; tall varieties in late summer and fall.

Aureus Hybrids. Early. Height 2 1/2 feet. Pkt. 15c.

Michaelmas Daisy. Newest varieties mixed. Plants 3 feet high. Pkt. 15c.

Alpine. Dwarf plants 6 to 10 inches high with large showy bluish-purple flowers with yellow centers. May-June. Pkt. 15c.

Aubrietia (Rainbow Rock Cress)

Showy and beautiful creeping plants, about 6 inches, for borders or rockeries. Flowers of violet, crimson and rose form a solid mass of color for weeks. Blooms in April and May. Pkt. 10c.

Bellis (English Daisy)

They are semi-hardy and thrive best in a cool, shady place, but do well in almost any soil. Admirably adapted for edgings, borders and low beds, will bloom for years if given winter protection. Height 6 to 8 inches. Mixed colors. Pkt. 15c.

Catananche (Cupid's Dart)

Flowers pale violet with dark center. Grows 12 to 18 inches high. A very nice border plant and everlasting flower. **Coerulea**, Pkt. 10c.

Centaurea (Bachelor Button)

The flower resembles the annual Cornflower. Montana. Deep blue. Pkt. 10c.

Cerastium (Snow in Summer)

A pretty perennial plant for edging and rockery. Foliage is silvery and hairy; flowers white, covering plant completely in June. 6 inches. Pkt. 10c.

PERENNIAL PLANTS

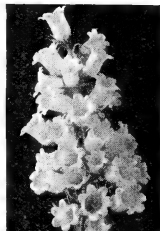
We carry a complete variety of plants during the Spring Season. Drop in and see our fine assortment.

Campanula

Well known beautiful hardy herbaceous perennials and biennials bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil. Tall varieties are fine for cutting. Heights vary from 9 in. to 5 ft.

Canterbury Bells (Campanula Medium). Grow about 3 feet high and produce single or double bell-shaped flowers in blue, white, purple and pink colors. Single or Double Mixed Colors. Pkt. 10c.

Cup and Saucer type (Campanula Calycanthema). In this variety the outer petals form a brim, like a saucer. 2 ft. dark blue, light blue, rose, white or mixed. Pkt. 10c.



Campanula Medium

Carpatica (Harebell). A pretty variety only 9 inches high, producing clear blue flowers on erect wiry stems from June until September. Fine for edging or rockery. Does well in partial shade. Pkt. 10c.

Persicifolia (Peach Bells). Blue flowers on 2-3 ft. plants, bloom in June and July. Pkt. 10c.

Hardy Carnation

A large flowered, long stemmed, hardy carnation. Plants 2 feet. Teicher's Mixed. Pkt. 25c.

Coreopsis

A hardy perennial about two feet high that produces an abundance of large, daisy shaped flowers on long stems. One of the best perennials for cut flowers.

Lanceolata. (Single.) Pkt. 10c. **Double Sunburst.** The fully double flowers are 1 1/2 to 2 inches across, deep golden yellow.

Sunburst Coreopsis. Bloom early and make an excellent cut-flower. Plants easy to grow. Pkt. 10c.

Double New Gold. (New). Fine golden yellow. Pkt. 10c.

Daisy, Shasta

Alaska. A hardy perennial bearing large pure white flowers, in great profusion on long stems, making it fine for cut flowers. Blooms all summer. Height 24 to 30 inches. Pkt. 10c.

Shasta, Conqueror. Flowers as large as Alaska on stems 2 to 3 ft. Pkt. 10c.

New Giant Double White. Double flowers ranging through semi-doubles to a type though single, forms beautiful large flowers with curled, quilled petals. Height, 2 to 3 ft. Pkt. 25c.

House & Garden's Book of Gardening. (Richardson Wright.) This book is just about tops for inexperienced gardeners as well as for experts. Explains the how, what, when, where and why of all gardening subjects. 600 illustrations, 128 pages. Price, \$2.00.

CULTURE. The seed bed must be well drained, fine and firm. If the soil is at all heavy lighten with sand. The seed may be planted from May to early July. When seedlings have two pair of leaves transplant into rows a few inches apart each way, and later when they begin to crowd transplant a second time. This involves extra work but is necessary to raise sturdy plants. Keep them partly shaded all summer. In August or September, if well developed, they may be placed in their permanent locations where they are to blossom the following year, or left in the seed beds for early spring transplanting.

BIENNIALS. Some varieties if planted early will bloom the first year, but most bloom the second year and die.

PERENNIALS. Many varieties bloom the first year, but usually they start the second year and live indefinitely, excepting that they die down in winter and come to life again in the spring.

SPACING. A safe rule is to plant perennial plants one-half the ultimate height, apart. Do not crowd plants.

CULTIVATION. Use the hoe freely in keeping the ground well cultivated all summer long. You will be repaid with stronger plants and more beautiful flowers.

WINTER PROTECTION. It is best to cover young plants the first winter with straw or similar mulch along in November, before real cold weather sets in. Most perennials need no winter covering after they have become established, but some, like Oriental Poppies, Shasta Daisies, Tritoma and Iris ought to have a winter covering in late November, here in the Northwest. Remove covering gradually in the spring.

Achillea

One of the best hardy perennials. Grows about 2 to 2 1/2 feet high, blooms from spring until frost. Is covered with deep rose or white double flowers. Flowers resemble Pompon Chrysanthemums. If seed is planted early, it will bloom the first year.

Kelwayi Rosa. Crop failure. No seed available.

The Pearl. Double White. Pkt. 10c.

Aconitum (Monk's Hood)

Hardy Perennials with showy blue spikes of hood-shaped flowers. Valuable for planting in shady beds or borders. 3 to 4 feet. Crop failure. No seed available.



Agrostemma (Coronaria)

Stout, erect-growing plants with silver foliage, which contrasts well with the showy bright orange-red flowers, produced during June and July. Grows 2 feet high. Fine for border or rockery. **Atro-coccinea.** Pkt. 10c.

Alyssum Saxatile (Basket of Gold)

Has masses of bright yellow flowers. After the blooming season, the seed pods may be used in everlasting bouquets. Grows 8 to 12 inches high. Pkt. 10c.

Anchusa (Lt. Dropmore Variety)

Blue, large, forget-me-not-like flowers. Very fine for the back of the perennial border or for a screen. Grows 4 to 5 feet high, blooms in June and July. Pkt. 10c.

Anthemis (Hardy Marquette)

Grows about 12 to 15 inches high, bearing in profusion, daisy shaped, yellow or white flowers, that blossom in July and August.

Kelwayi. Golden yellow. Pkt. 10c. **Montana.** White, yellow eye. Pkt. 10c.

Poultry, Bird and Animal Feed Price List

Strictly High Grade Feeds

R. L. Gould & Co.

Seeds and Feeds Since 1898

496-502 Jackson Street, St. Paul, Minn.

PLEASE NOTE—This price list cancels all previously issued. Prices quoted include bags, and are F. O. B. St. Paul, subject to change without notice. As prices on grains fluctuate from day to day, orders will be filled at current rate on the day received. Should prices decline we will refund amount overpaid or ship extra quantity to cover cash.

Starting and Growing Mash Feeds

	25 lbs.	50 lbs.	100 lbs.
Purina Chick Startena.....	\$1.20	\$2.25	\$4.35
Purina Turkey Startena.....	1.30	2.45	4.75
Duck Startena Checkers.....	1.60	1.95	3.75
Purina Chick Growena.....	1.10	2.00	3.85
Purina Turkey Growena.....	1.00	1.90	3.65
Duck Growena Checkers.....	.90	1.70	3.25
Broiler Chow Meal.....	1.00	1.85	3.60
Fatena Meal.....	.85	1.60	3.10

Scratch Feeds

	25 lbs.	50 lbs.	100 lbs.
Gould's Reliable Scratch.....	\$.75	\$1.35	\$2.60
Purina Scratch.....	.75	1.35	2.55
Purina Chick Chow (Fine).....	.85	1.65	3.10
Purina Chick Chow (Coarse).....	.85	1.60	3.00
Pigeon Feed.....	1.25	2.30	4.50
Purina Pigeon Checkers.....	1.30	2.50	4.75

Egg Mash

	25 lbs.	50 lbs.	100 lbs.
Purina Family Flock Chow.....	.95	1.80	3.45

Dried Buttermilk

	7 lbs.	25 lbs.	50 lbs.	100 lbs.
.....	\$1.00	3.00	5.75	10.75

Pure Fish Oil

1 qt.....	60c;	1/2 gal.....	95c;	1 gal.....	\$1.75
30 gals, at \$1.25 per gal.—Drum included					

Bird Seed

	2 lbs.	5 lbs.	10 lbs.
Bird Seed, Gould's Mixture.....	\$0.25	\$0.60	\$1.15
Canary.....	.30	.70	1.30
Rape.....	.55	1.25	2.25
Millet.....	.20	.35	.70
Sunflower (Select Large).....	.25	.60	1.15
Bird Gravel (bulk).....	.10	.25	.40
Cattle Bone.....	Oz. 20c; 3 ozs. 55c		

Poultry Litter

Peat (bale).....	\$4.25	5 bales.....	\$19.75
(Bale covers about 350 sq. ft., 1 inch deep)			
Servall Sugar Cane, bale.....	\$2.55;	5 bales.....	\$12.25
(Covers about 300 sq. ft., 1 inch deep)			

Above prices 10c less on 100-lb. bags picked up at our store.

Unmixed Grains

	25 lbs.	50 lbs.	100 lbs.
Steel Cut or Rolled Oats.....	\$1.20	\$2.30	\$4.45
Middlings.....	.65	1.20	2.15
Wheat Bran.....	.65	1.20	2.15
Corn Meal.....	.65	1.20	2.35
Shelled Corn.....	.65	1.15	2.20
Cottonseed Meal.....	.90	1.65	3.15
Cracked Corn, Fine, hen size.....	.65	1.20	2.30
Cracked Corn, medium.....	.70	1.25	2.40
Gluten Feed.....	.70	1.30	2.50
Kaffir Corn.....	.75	1.35	2.65
Oil Meal.....	.70	1.30	2.50
Ground Oats.....	.75	1.30	2.50
Barley.....	.65	1.20	2.25
Oats.....	.75	1.35	2.55
Wheat.....	.75	1.35	2.55
Sunflower Seed (select large).....	3.00	5.50	10.00
Sunflower Regular.....	2.00	3.75	7.25
Cracked Wheat.....	.80	1.45	2.80
Hulled Oats.....	1.20	2.30	4.45

High Protein Feeds

	25 lbs.	50 lbs.	100 lbs.
Meat Scraps.....	\$1.30	\$2.45	\$4.75
Fish Meal.....	1.35	2.50	4.85
Feeding Bone Meal.....	1.10	2.00	3.75

Shell, Grit and Charcoal

	25 lbs.	50 lbs.	100 lbs.
Oyster Shell (chick, hen size).....	.35	.60	1.10
Mica Grit (Chick or hen size).....	.40	.75	1.40
Foast Pigeon Grit.....	.90	1.60	2.90
Charcoal (Blk. Diamond Brd).....	.75	1.20	2.35

Miscellaneous Feed

	25 lbs.	50 lbs.	100 lbs.
Blatchford's Calf Meal.....	\$1.50	\$2.90	\$5.10
Rabbit Chow (complete).....	1.10	2.00	3.85
Dog Chow Meal.....	2.15	4.00	7.50
Dog Chow.....	5 lbs., 55c; 25 lbs., \$2.35;	100 lbs., \$8.00	
Bulky Omolene, Light Horse.....	3.70		
Fox Meal, Blue Ckrs.....	5.35		
Mink Chow.....	6.75		
Goat Chow.....	3.75		

Gould's Special Field Seed Price List—Continued

Issued January 27, 1942

Prices Subject to Market Changes

ONION SETS

Prices Will Be Given Later

ONION PLANTS

Prices Will Be Given Later

FIELD CORN

These quotations are F. O. B. St. Paul. All corn offered subject to stock remaining unsold.

	1 lb.	¼ bu.	½ bu.	1 bu.
Gould's Reliable Yellow Dent	15c	\$1.10	\$2.00	\$3.75
Minnesota No. 13 Cert.	15c	1.10	2.00	3.75
Hybrid, Flats, 100 Day Corn	30c	2.10	4.00	7.75

FODDER CORN

Seamless bags containing 2½ bu. each, 40c extra; burlap bags, 20c.

	1 lb.	¼ bu.	½ bu.	1 bu.
Gould's Reliable Red Cob	10c	60c	\$1.00	\$1.75
Elephant	10c	60c	1.00	1.75
Hybrid Silo (Treated) 107 Day				3.60 bu.
Sweet Corn Fodder, Evergreen, per 100 lbs.				4.75

POP CORN

	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Dwf. Hulless Hybd. Minn. 250 45c	\$2.00	\$3.50	\$7.50	\$25.00	
Dwarf Hulless	25c	1.00	1.50	3.00	10.50
South American Yellow	25c	1.00	1.50	3.00	11.00

SORGHUM

Burlap bags 20c each; seamless 40c

	Lbs. per acre	1 lb.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Early Black Amber (Fodder)	50	10c	85c	\$1.25	\$2.25	\$4.25
Minn. Early Black (Syrup)	50	15c	85c	1.50	2.75	5.00

MILLETS

48 lbs. per bushel. In seamless sacks containing about 130 lbs. Sacks 40c each.

	1 lb.	¼ bu.	½ bu.	1 bu.	100 lbs.
German	10c	85c	\$1.50	\$2.70	\$4.90
Siberian	10c	85c	1.50	2.75	5.00
Japanese	15c	95c	1.65	3.00	5.50
Hungarian	10c	75c	1.25	2.35	4.40
Hog Milled or Broom Corn	10c	50c	.75	1.25	2.25
Early Fortune or Red Proso	10c	50c	.75	1.25	2.25

SALT

Table, Plain	10 lbs. 25c; 25 lbs. 45c; 100 lbs. \$1.25
Table, Iodized	10 lbs. 40c; 25 lbs. 75c; 100 lbs. 2.25
Water Softener, A Kieer, 100 lb. bag	1.25
CC Rock, Ice Cream, Sidewalk, 100 lb. bag	1.25
PC Coarse, Stock or Hay, 100 lbs.	.85
White Cattle, 50-lb. block, each	.60
Iodized, 50-lb. block, each	.95
Epsom Salts, for stock or poultry, per lb.	5 lbs., .95

Hand Selected

SEED POTATOES

Bags Included

Prices Will Be Given Later

FERTILIZERS

FERTILIZER ANALYSIS: First number indicates Nitrogen; 2nd. Phosphoric Acid; 3rd. Potash.

	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1 ton
Swift's Vigoro, 4-12-4	\$0.45	\$0.85	\$1.50	\$2.50	\$4.00	\$20.00	\$80.00
Armour's Garden & Lawn, 4-8-6	.45	.75	1.25	2.10	3.50	16.25	62.50
Armour's Florist's Mix- ture, 5-15-5	.50	.75	1.25	2.00	3.25	15.25	57.50
Armour's Special Tree Food, 10-8-6	.50	.85	1.50	2.50	4.25	20.00	75.00
Armour's Special Turf, 10-8-6	.50	.85	1.50	2.50	4.25	20.00	75.00
Armour's Special Turf, 6-12-4	.50	.75	1.10	1.85	3.00	14.00	55.00
Swift's Golf Special, 12-6-4					3.85	18.25	69.00
Swift's Golf Special, 6-12-4					3.30	15.50	59.00
Milorganite, 6-3-0	.50	.75	1.20	1.90	3.00	14.50	46.00
Urca, 46-0-0	.90	1.50	3.25	5.75	10.80		
Steamed Bone	.45	.85	1.35	2.35	4.00	19.50	75.00
Raw Bone, 4-21-0	.60	1.00	1.65	2.75	4.60	25.00	85.00
Rose Grower Bonemeal	.60	1.00	1.65	2.75	4.60	25.00	85.00
Sheep Manure	.35	.55	.95	1.60	2.75	13.00	50.00
Cattle Manure	.35	.55	.95	1.65	2.85	13.00	50.00
Poultry Manure	.40	.65	1.25	2.00	3.50	16.50	63.00
Ammonia Sulp. (Kopp.)	.35	.55	.95	1.75	3.25	15.00	55.00
Ammonia Sulp. (Arcad)							
Nitrate of Soda							
Sulphate of Potash							
Muriate of Potash							
Hoof Meal	.60	1.00	2.00	3.00	5.65		
Blood Meal	.85	1.50	2.50	4.50	8.40		
4-8-6—General	.50	.70	.90	1.50	2.50		
4-16-4—Corn & Grains	.50	.75	1.25	1.85	3.25		
0-9-27—Potatoes in Peat	.50	.75	1.25	1.85	3.25		
0-12-12	.50	.70	.95	1.60	2.75		
0-10-20—Onion & Cab- bage in Peat	.50	.75	1.25	1.85	3.25		
0-20-10 (Used with Manure)		.75	1.25	1.85	3.25		
3-12-12—Potatoes & Cabbage	.50	.75	1.25	1.85	3.25		
2-14-14—Potatoes	.50	.75	1.25	1.85	3.25		
3-9-18—Potatoes	.50	.75	1.25	1.85	3.25		
3-14-6—Misc. Truck	.50	.75	1.25	1.75	3.00		
2-12-2—Corn & Grains	.40	.70	.90	1.50	2.50		
0-20-0—Super Phosphate	.40	.65	.85	1.35	2.25		
Hardwood Ashes	.40	.60	.95	1.65	3.00		
Pulverized Limestone	.30	.45	.55	.65	1.00		
Gypsum or Land Plaster	.25	.35	.50	.75	1.20		
Hydrated Lime	.25	.40	.55	.75	1.50		
Soot	.60	1.00	2.40	4.50	8.00		
Borax	.50	.75	1.50	2.50	4.50		

Gould's Cackler

PUBLISHED IN CONNECTION WITH POULTRY FEED PRICE LIST

Vol. 19 JANUARY 27, 1942 No. 1

A Poultry Program to Help You to Greater Success in 1942

By Don Purcell—Purina Mills

The program I would like to suggest for every chick buyer is as follows:

First, that they start with the right chick.

The right chick is one that has behind it, first—breeding. Breeding determines the number of eggs a bird is capable of laying. Recently, Dr. R. E. Lubbenhusen, Purina's animal pathologist, autopsied a day-old chick, and found that the ovaries of this chick contained over 100,000 microscopic egg yolks. These yolks are in the chick's body because of breeding.

When buying chicks, be sure that they are from a hatchery or breeder who has a definite program of flock improvement for breeding.

The second measure of a good chick is the disease control program back of it. This disease control program should include blood-testing of the parent stock to eliminate Pullorum disease. This disease, sometimes called bacillary white diarrhea, is transmitted to the chick from the parent stock through the egg. By blood-testing, infected birds are detected, and eliminated from the flock.

A further phase of the disease control program should be careful sanitation in the hatchery. This perfects the health of the chick while it is being incubated, and after the chick is hatched.

The third measure of a good chick is the incubation back of it. You need worry very little about that phase of the production program because today, incubators are extremely accurate in controlling temperature, humidity and air movement. If the hatchery from which you buy your chick has the right breeding, disease control, and flock breeding program, you can almost be certain that its incubation is modern and efficient.

The fourth measure of the right chick is one that has behind it embryo feeding. That means breeding flock has had a ration especially stepped up in the factors which make for high production, hatchability and chick livability.

Careful research and experience shows that a laying mash may do a very good job of egg production and still do a very poor job of hatchability and chick livability. It is vital that the breeder ration be high in vitamin and mineral content so that it

can properly feed the developing chick the first 21 days in the shell.

Chick customers do not buy day-old chicks. They just think they do. They buy 21 day old chicks. It is vitally important that these chicks be fed properly the first 21 days in the shell if those chicks are to have a running start in life with the necessary nutrients for high mortality and livability.

Recently, we had chicks in Purina's Research Laboratory from eggs that had bright red yolks and eggs that had bright green yolks. Fully twelve weeks after these chicks were hatched, the tissue, the actual body of these chicks, was still colored red or green, depending on the color of the yolk of the egg from which the chick had been hatched. It was still possible twelve weeks after these chicks had been hatched, to actually see in the body of the chicks the influence on those bodies of the ration the hen had eaten.

This year take into consideration the fact that good chicks can only be made from good eggs, quite the same as good cake can only be made from good eggs.

Experience shows that it pays to get the right chick at the right time. The right time is as early as possible. Decide now that you will have pullets ready with a full sized egg when you can get a full-sized price for them. For years, the best egg market has been during the months of September, October, November and December. Prepare now for those months of 1942 by getting the right chick at the right time.

You can have big, well developed pullets if you will follow a management, sanitation and feeding program that is built to get that specific job done for you.

Ask R. L. Gould & Company for the Purina Chick Booklet. Follow the program, starting, growing and laying outlined in that booklet. Feed 2 lbs. of Startena per chick; put your pullets on Growena Mash and Checkers or Growing Chow and grains, and you will have solved the feeding part of your program.

Decide now what your 1942 poultry objective is. Plan to get the right chick at the right time and put it on the program that is built to help you achieve the objective which you set now. Now is the time to make the right decision and then to follow those decisions without deviation. That is the method successful poultry raisers are cashing in on, year in and year out.

You make a greater financial profit for yourself and you do your part in the "Food For Freedom" campaign launched through the United States Dept. of Agriculture, if you follow the recommendations in the foregoing article.

PLEASE NOTE

This price list cancels all prices on any previous issue of the price list, on the same items. We reserve the right to forward seed to the value of the money sent us, according as the market is higher or lower. Prices quoted include free delivery to any railway station in St. Paul. If Field or Grass Seeds or other items not marked prepaid are wanted by Parcel Post, please add postage.

Gould's Special Field Seed Price List

Issued January 27, 1942

R. L. Gould & Co.

SEEDSMEN SINCE 1898

496-502 Jackson Street, St. Paul, Minn.

Due to present conditions over which we have no control, all prices in this price list are subject to change without notice.

DISCLAIMER

R. L. Gould & Co. do not give and their agents and employees are forbidden to give any warranty, express or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money paid for same will be refunded.

ALFALFA

Seamless bags extra at 40c each—150 lbs. per bag

60 lbs. to the bushel

	Lbs. per 1	1/4	1/2	1	100
	acre	bu.	bu.	bu.	lbs.
Grimm Minn. Blue Tag	12	75c	\$8.00	\$13.50	\$30.00 \$50.00
Grimm Canadian Reg.	12	75c	8.00	15.50	30.00 50.00
Minn. Variegated	12	75c	7.75	15.00	29.70 49.50

CLOVERS

Seamless bags extra at 40c each—150 lbs. per bag

60 lbs. to the bushel

	Lbs. per 1	1/4	1/2	1	100
	acre	bu.	bu.	bu.	lbs.
MEDIUM RED	8	50c	\$5.00	\$ 9.75	\$18.50 \$30.00
Northland					
MAMMOTH RED CLOVER	8	50c	5.00	9.75	18.55 30.00
Northland					
ALSIKE OR SWEDISH CLOVER	8	50c	5.00	9.85	19.20 31.75
Sterling					
WHITE OR DUTCH CLOVER	8	1.25	17.25	33.00	63.00 100.00
R-fable					
SWEET CLOVER (Tail)	14	35c	2.65	5.00	9.75 16.00
Northland					
SWEET CLOVER—YELLOW BLOSSOM	15	35c	2.65	5.00	9.75 16.00
Northland					

TIMOTHY

Seamless bags extra at 40c each—45 lbs. to the bushel

Lbs. per 1 10 1/2 1 100

	acre	lb.	lbs.	bu.	lbs.
TIMOTHY	10	20c	\$1.45	\$2.85	\$5.40 \$11.50
TIMOTHY AND					
ALSIRE MIXED	12	35c	1.75	4.00	7.50 14.75
Reliable (20% Alsike)					

MISCELLANEOUS GRASS SEEDS

Burlap bags 20c each; seamless 40c

	Lbs. per 1	10	25	100
	acre	lb.	lbs.	lbs.
Kentucky Blue Grass	20			
Red Top	10			
Astoria Bent	..			
Seaside Bent	..			
Domestic Rye Grass	28			
Meadow Fescue	25	.60	4.50	10.00 37.50
Sheep Fescue or Chewings	20	1.35	9.50	16.00 55.00
Poa Trivialis	20	1.50	13.00	20.00 115.00
Orchard Grass	28	.65	5.00	11.90 46.00
Bromus Inermis	28	.45	3.50	7.50 25.00
Reed Canary Grass	5	.65	5.50	13.00 56.00
Crested Wheat Grass	12	.50	3.50	7.50 25.00

MISCELLANEOUS FIELD SEEDS

Burlap bags, 20c; seamless, 40c each, extra.

	1	5	10	25	100
	lb.	lbs.	lbs.	lbs.	lbs.
Sand or Winter Vetch	30c	\$1.00	\$1.75	\$3.50	\$12.50
Sunflower, Mammoth Russian	20c	.75	1.25	2.75	10.00
Sudan Grass	20c	.60	.90	1.50	5.00
Dwarf Essex Rape	50c	2.00	3.50	7.00	25.00

SEED GRAIN

5 Bushels or more, 10 cents per bushel less.
Burlap bags, 20c; seamless 40c each, extra.

	Lbs. per 1	1/4	1/2	1
	bu.	bu.	bu.	bu.
OATS				
Gould's Selected Swedish Type	32	10c	\$.40	\$.70 \$1.25
N. K. & Co.'s Lincoln	32	10c	.40	.70 1.25
Sixty Day	32	10c	.40	.65 1.10
Gopher	32	10c	.40	.65 1.10

	Lbs. per 1	1/4	1/2	1
	bu.	lb.	bu.	bu.
BARLEY				
Wisconsin No. 38, Barblless	48	10c	\$.50	\$.80 \$1.50

	Lbs. per 1	1/4	1/2	1
	bu.	lb.	bu.	bu.
SPELTZ				
Spletz or Emmer	40	10c	\$.40	\$.65 \$1.10

	Lbs. per 1	1/4	1/2	1
	bu.	lb.	bu.	bu.
RYE				
Spring	56	10c	\$.55	\$.95 \$1.75
Rosen Winter	56	10c	.50	.75 1.35

	Lbs. per 1	1/4	1/2	1
	bu.	lb.	bu.	bu.
WHEAT				
Marquis Type	60	10c	\$.65	\$1.10 \$2.00
Durum or Macaroni Winter	60	10c	.55	.95 1.70

	Lbs. per 1	1/4	1/2	1
	bu.	lb.	bu.	bu.
FLAX				
Bison Type Blue Tag	56	10c	\$1.10	\$2.00 \$3.75

FIELD PEAS AND FIELD BEANS

60 lbs. to the bushel

Seamless bags, 40c each—contain about 150 lbs.

	1	1/4	1/2	1	100
	lb.	bu.	bu.	bu.	lbs.
Canada Yellow Peas	15c	\$1.25	\$2.35	\$4.50	\$7.00
Soy Beans, Manchu	10c	.75	1.35	3.45	5.65

BUCKWHEAT

50 lbs. to the bushel

Sacks extra—Burlap, 20c; Seamless, 40c each

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Japanese	10c	\$.55	\$.90	\$1.60	\$3.10

Delphinium (Hardy Larkspur)

Very decorative border plants ranging in height from two to five feet. Colors range from various shades of blue to white, pink and scarlet. When plants are 15 inches high, they should be staked to prevent breaking down. As blooms die, cut stems to the ground and you will get a second flower spike in late summer.

Bella donna. This type does not grow quite as tall as most Delphiniums, but they produce more spikes and are more graceful and better for cutting. Flowers are large, light azure blue, plants 3 to 4 ft. high. Pkt. 10c.

Feed With VIGOR
COMPLETE PLANT FOOD

Bella mosum. This is a dark form of the light blue Belladonna; flowers rich deep blue. 3 to 4 ft. Pkt. 10c.

Delphinium Hollyhock Strain.

Gold Medal Hybrids. Many are double flowered and range in color from pale lavender to indigo blue. Mixed colors. Height, 3 to 4 ft. Pkt. 10c.

Cardinal. "Scarlet Larkspur." Long spikes of scarlet flowers. Seed germinates slowly. Grows to 3½ feet high. Pkt. 10c.

Iceberg. Pure white, 20-inch spikes, comes true from seed. Plants, 3 to 4 ft. Crop failure. No seed available in 1942.

New Hollyhock Strains.

These remarkable new Delphiniums now furnish flower lovers with something new which has long been desired. The spikes of flowers are of unusual size and stalks much taller than any Delphinium now being offered.

Pacific Giants. This is a most wonderful strain of Delphiniums. The plants are about 5 feet tall, and of branching habit, yet the flower-spikes are unusually well formed and not at all over-heavy. Comes in a magnificent range of colors and lovely pastel shades. Mixed colors. Pkt. 25c.

Blackmore and Langdon Type. Contains some of the finest Delphiniums, in colors from the lightest blue to dark blue. Height, 3 to 5 ft. Choicest mixed. Pkt. 10c.

Bodger's Hollyhock Strain. A selection of light shades. Pkt. 15c.

Wrexham's Hollyhock Strain. Flowers in blue, white and pink combinations many of them bicolors. Many spikes are 1½ to 2 inches in diameter. Plants, 4 to 5 feet. Pkt. 10c.

Mixed Hollyhock Strains. This is a mixture of many of the Hollyhock strains. Pkt. 10c.

Dianthus (Hardy Garden Pinks)

These old garden favorites with their carnation-like flowers and clove scent are especially valuable for cut flowers. 12 to 18 inches. Mixed colors. Pkt. 10c.

Dictamnus (Gas Plant)

A bushy perennial about 3 feet high with attractive flower spikes. The plant also gives off a vapor which will ignite if a lighted match is held under a seed cluster on a sultry summer evening. **Fraxinella.** Mixed. Pkt. 10c.

PERENNIAL MIXTURE

As many as 20 different kinds of perennials are included in this splendid mixture. Pkt. 10c.

Digitalis, Foxglove

A very interesting family of old fashioned plants, whose culture is so simple as to bring them within the reach of all. It grows in strong clumps and is one of our very fine hardy biennials. Grows 2 to 4 ft. Mixed colors. Pkt. 10c.

Shirley. A giant variety of the *Gloxinia* flowered type. Flower spikes 4 feet long of purest white to deepest rose colors, handsomely spotted. 5 to 7 feet. Mixed colors. Pkt. 10c.

Grandiflora. A hardy perennial blooming in June and July. Flowers yellowish marked with brown. Plants 2 to 3 feet. Pkt. 10c.

Gaillardia Grandiflora, Blanket Flower

A very free blooming perennial bearing large yellow, or red daisy-shaped flowers. Very easy to grow and will bloom all summer. Splendid for cut flowers. Height, 24 to 30 inches. Mixed colors. Pkt. 10c.

Bremen. Deep coppery scarlet, dark brown disc, narrow golden yellow edge. Pkt. 10c.

The Dazzler. Flowers very large, intense maroon-red and golden-yellow tip on the end of each floret. Pkt. 10c.

Monarch Strain. Finest mixed. Pkt. 10c.



Gaillardia, The Dazzler

Grandiflora Goblin. The Little Goblin Gaillardia is the first really dwarf, compact variety especially suited to the rockery. The neat plants reach a height of about 12 to 15 inches, closely covered with large, showy, yellow bordered deep red flowers. Goblin is fine for edges in the perennial border. Pkt. 10c.

Geum

Geums are hardy perennials and belong to the rose family. They produce dwarf tufted plants from which rise graceful stems, 2 feet high, bearing beautiful double flowers. If flowers are kept cut back, the bloom can be continued from June until September. Flower stems should be dipped in warm water after cutting to avoid wilting.

Mrs. Bradshaw. Of orange-scarlet color, blooming the first year if sown early. Pkt. 10c.

Lady Stratheden. Rich golden-yellow flowers. Pkt. 10c.

Hybrida mixed. Pkt. 10c.

Gypsophila (Baby's Breath)

These airy plants produce many tiny blossoms on delicate-appearing but sturdy, well-branched stalks. Are fine for cut flower mixtures. May be dried to use in winter bouquets, to 3 ft.

Paniculata. Single white. Pkt. 10c.

Paniculata. Double white. Pkt. 10c.

Pacific. Especially hardy. Grows to 4 feet the second year. The tiny pink blossoms flower late. Pkt. 10c.

Repens. Dwarf Baby Breath. Splendid in rockeries. Mixed colors. Pkt. 10c.

Helianthemum (Dwarf Sun Rose)

Low growing plants completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. 8 to 12 inches. **Mutabile.** Pkt. 10c.

Heliopsis (Orange Sunflower)

A new double flowering perennial bearing golden-yellow Zinnia-like flowers from July on. Height about 3 feet. Fine for cut flowers. Pkt. 10c.

Heuchera (Alum Root, Coral Bells)

Does well in any garden soil producing dainty sprays of rose carmine flowers on long stems. Plants grow 15 to 20 inches. Pkt. 15c.

Hibiscus (Marshmallow)



Hibiscus

Showy shrub-like plants, 3 to 5 feet high, with handsome green foliage, on which large flowers 3 to 9 inches in diameter are borne from July until fall. Hibiscus send up new shoots each year and are perfectly hardy in the Northwest. Red, Pink, White with Crimson Eye or Mixed. Pkt. 10c.

Hollyhocks

The Chater's strain produces for the most part, flowers which are densely double, although occasionally some single blossoms are seen among them. The colors range from pure white to darkest maroon, some are bright and gay, others of the softest and most delicate shades and tints. The plants grow 5 to 7 feet in height.



Hollyhocks.

Double Hollyhocks

Chater's Double—All 10c a pkt.

Chamois, deep rose, maroon, salmon rose, scarlet, white, yellow, Newport pink, finest mixed, single and double mixed.

Double Imperator. Large rosette flowers, in charming color combinations. Pkt. 10c.

Double Triumph. Beautifully fringed rosette flowers in many new shades and bi-color combinations. Pkt. 10c.

Single Hollyhocks

Many prefer the single-flowering hollyhocks. They are usually of freer growth than the doubles and present a very handsome appearance. Mixed, pkt. 10c.

Honesty (See Lunaria)

Iberis (Hardy Candytuft)

Fine for early decorations. Bloom in spring and early summer. Much used for rockeries and cemeteries. **Sempervirens.** White, 12 in. Pkt. 10c. **Gibraltar.** White flushed lilac. 1 to 2 feet. Pkt. 10c.

PERENNIAL PLANTS

We carry a complete variety of plants during the Spring Season. Drop in and see our fine assortment.

Kudzu Vine (Jack and the Bean Stalk)

A hardy climber that will grow 10 feet the first year from seed, the next year 60 feet a season. Tops from young vines may not live through the winter here in the Northwest, but as roots get older, tops are more likely to survive. Has Wistaria-like purple blossoms in August. **Pueraria, Thunbergiana.** Pkt. 10c.

Lathyrus (Hardy Sweet Pea)

Showy, free flowering, hardy perennial climber, valuable for covering old stumps, fences, etc., continually in bloom. Good for cut flowers. They require a rich deep soil. Grows 5 to 7 feet tall. Mixed. Pkt. 10c.

Lavendula Vera. (True Lavender)

Delightfully fragrant flowers July and August. Used dry for their lasting perfume. Plants grow 12 to 18 inches high. Pkt. 15c.

Lilium Regale (Regal Lily)

One of the most beautiful of all known lilies. Flowers are delightfully perfumed, of white, slightly suffused with pink. Blooms in July. Buds from spring planted seeds should be lifted and planted deeper in the fall. These buds will flower the following summer. Height, about 3 feet. Pkt. 10c.

Lilium Tenuifolium (Coral Lily)

This is only 24 inches high and one of the earliest to bloom. Flowers are deep scarlet and have recurved petals of waxy texture. Pkt. 10c.

Linum (Flax)

A pretty plant for the border, with light graceful foliage, bearing delicate flowers through the entire summer.

Perenne, dainty sky-blue flowers on graceful arching stems. Grows 30 inches high. Pkt. 10c.

Lobelia

Grow 2 to 4 feet in height, bearing long spikes of brilliant flowers from July to September.

Cardinalis, (Cardinal Flower) flaming scarlet. Pkt. 15c.

Lunaria (Honesty or Satin Flower)

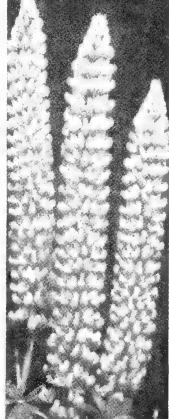
A curious biennial chiefly grown for its shiny silvery seed pods, which make a useful winter decoration, arranged with flowers in baskets or bouquets. Grow 18 to 24 inches high. Pkt. 10c.

Lupine

Forms dense bushes 3 to 4 feet high, of elegant spikes completely clothed to the ground with white, rose and blue fragrant flowers from June to September. Lupines are of the hardest perennials. Plants grow, and will thrive in the poorest soil. Mixed colors. Pkt. 10c.

Lupines should be inoculated with Nitragin. New garden size, 10c.

Russell Lupines. This strain of Lupines has enormous flower spikes 3 feet long, closely packed with individual flowers. Extraordinary range of colors. Plants 3½ to 4 feet high. **Genovese's Oriental** selected seed in grower's original packets with complete cultural directions. Pkt. 25 seeds, 30c.



Russell Lupines.

Lychnis (Rose Campion)

Handsome hardy perennial with brilliant colored flowers. Excellent for borders; blooms first year if sown early.

Viscaria Splendens, (Catchfly) deep rose spikes. 1 foot high. Pkt. 10c.

Monarda (Bee Balm)

Hardy plants of free growth, about 2 feet high with aromatic foliage, brilliant scarlet flowers in July and August. **Didyma.** Pkt. 15c.

Myosotis (Forget-Me-Not)

These dainty little flowers love cool moist soils, and bloom freely in spring and fall. They make beautiful close borders or edgings. They flower the first season from early spring-planted seed, or seed may be sown in late summer or early fall. Grow 8 to 12 inches high.

Alpestris, The Alpestris Myosotis while a perennial needs winter protection. Is mostly treated as an annual; bright blue. Plants 8 inches high. Pkt. 10c.

Palustris, (Hardy Forget-me-not.) Dwarf blue plants that bloom from early spring until fall. Fine for rock gardens or edgings. 10 inches. Pkt. 15c.



Nepeta

An excellent perennial plant for the rock garden, or anywhere. Very compact, producing during July and August masses of beautiful flowers. **Marantha.** Violet, 2 feet high. Pkt. 10c.

Oenothera (Evening Primrose)

Are elegant plants for growing in an exposed sunny position, either in the border or rockery. Grow 10 to 12 inches high and bear from June until August, large flowers, often 5 inches in diameter.

Missouriensis (macrocarpa). Yellow flowers. Pkt. 10c.

Passiflora (Passion Flower)

Highly interesting herbs and shrubs, mostly climbers that legend and superstition have attached to these plants from the first. The flower was thought to represent the ten apostles present at the Crucifixion. A beautiful vine for the greenhouse or window. Plant in a sunny place outdoors in summer. Mixed. Pkt. 10c.

Pentstemon (Bearded Tongue)

The plants are pyramidal, 2 to 3 feet high, with erect branches thickly set with flowers 1½ inches long, varying in all shades from rosy-white to purple with white or veined throats. Bloom the first season from spring-sown seed. Flower from July until frost.

Sensation Improved. Colors vary from pink to scarlet and maroon, beautifully blotched and veined with other colors. Pkt. 10c.

Phlox (Hardy Phlox)

These beautiful hardy border plants are among the most effective subjects in the garden during late summer and early fall. Phlox require a soil that is deeply enriched and plenty of water during the blooming period. Divide plants every four years. We are offering a most select strain of seed.

Decussata. Seed slow and erratic in germinating and the seedlings may not appear for a year. Grow 2 to 3 feet high. **Finest mixed.** Pkt. 10c.

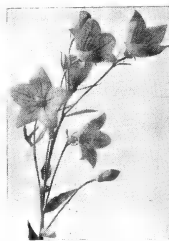
Physalis Franchetti (Chinese Lantern)

The flower of this plant turns to a bright red giving it the appearance of a Chinese lantern. The stems should then be cut for drying, and unlike other Everlastings, should be hung up in an upright position to allow the lanterns to hang in their natural position. Grow 15 to 24 inches high. Pkt. 10c.

Physostegia

These handsome plants flower from July until frost, growing 3 to 4 feet high and bear broad, dense spikes of delicate pink tubular flowers not unlike a giant Heather. One of the most beautiful of our mid-summer flowering perennials. **Speciosa.** Pkt. 10c.

Platycodon (Jap. Bell-Flower)



Platycodon

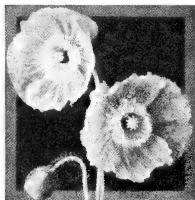
A member of the Campanula family, with handsome, branching spikes 1 to 2 feet high. Platycodon is considered by many the best bell flower. They bear these large, showy deep-blue flowers continuously from July until frost. Plant grows 12 to 24 inches high. **Grandiflorum.** Tall deep blue, 18 to 24 inches. Pkt. 10c.

Poppy, Iceland

Similar to the annual Shirley Poppy but in addition to the white, red and pink shades of the latter, the Iceland Poppy is often a fine yellow or orange color. Plants grow 12 to 15 inches high. Will flower entire season if seed pods are kept picked. Pick when in bud for cut flowers. Bloom the first season from spring-planted seed.

Garford Giant Art Shades. (New.) This new strain with exceptionally fine, large flowers, beautifully fluted and soft textured, carried on extremely long, heavy stems up to 30 inches in length, comes in a range of pastel shades. A magnificent addition to the flower garden. Mixed colors. Pkt. 15c.

Yellow Wonder. One of the outstanding introductions of recent years, special mention in the 1937 All-America winners. The stems are unusually long and wiry, 24 inches or longer, and flowers will keep as long as 10 days when cut. Flowers are very large, bright buttercup yellow. Pkt. 10c.



Iceland Poppy Emperor

The Empress. (New.) A remarkable new giant poppy, excellent for cutting. Color is a lovely shade of salmon rose and pink. Pkt. 10c.

The Emperor. (New.) The very finest orange Iceland Poppy ever produced. The large flowers are a deep tangerine orange. Blooms first year if sown early. Pkt. 10c.

Sunbeam Finest Mixed. Pkt. 10c.

Sanford's Giants, vigorous growers, long stems, beautiful colors. Pkt. 10c.

Poppy, Oriental

One of the most gorgeous of all perennials, producing in May and June its enormous blossoms, often 6 inches in diameter. The colors range from soft blush and rose to flaming scarlet and richest maroon. The plants are at their best when about 3 years old. Often one specimen will show 10 or 15 blooms. Height of plants, 18 to 30 inches. **All colors mixed.** Pkt. 10c.

Oriental Scarlet. Very striking and glorious color. Pkt. 10c.

Salmon Shades. New shades of salmon and salmon-pink tints are offered now in this popular hardy perennial. Pkt. 15c.



Pyrethrum

Pyrethrum (Painted Daisy)
Bears large daisy-like flowers ranging in color from white to deep red with bright yellow centers; fine for cutting. Blooms in early spring and again in the fall. Plants grow 20 to 30 inches.
Roseum. Single mixed. Pkt. 15c.
Roseum. Single and double. Pkt. 15c.
Roseum James Kelway. Deep scarlet. Pkt. 15c.

Rock Garden Mixture

A selection of finest dwarf perennials. Pkt. 10c.

Romneya (Matilija Poppy)

Plant in a well-drained, sunny, sheltered location. Grows 4 to 5 feet high. Blooms June to August. Plants must have winter protection in the Northwest.
Coulteri. White. Pkt. 10c.

Rudbeckia (Cone Flower)

This is a hardy, early flowering and easily grown perennial. The daisy-like flowers are fine for cutting, blooming from July until October.
Newmannii Speciosa. Orange-yellow, dark disc, 3 feet. Pkt. 10c.
Purpurea. rosy purple, 4 feet. Pkt. 10c.

Salvia

Treat as an annual here in the Northwest. Plants grow about 3 feet tall, bearing long spikes of deep blue flowers in August. Seed should be sown indoors in February.
Farinacea Blue Bedder. Pkt. 10c.

Saponaria (Bouncing Bet)

A very showy, trailing, hardy perennial rock plant about 9 inches high, producing in summer small, bright rose flowers.
Ocymoides. Pkt. 10c.

Scutellaria (Skull Cap)

Pretty yellow rock plant, 13 inches high, dense bushy habit, abundance of light blue flowers, June to August.
Coelestina. Pkt. 15c.

Scabiosa Caucausica

Resembling in shape the annual Scabiosa, but plants are more vigorous and produce longer and stouter stems as well as larger flowers. This hardy variety bears large blossoms of a delicate lilac, blue, pink or white shades. The plants grow 18 to 24 inches high, blooming from July until frost.

Giant Hybrids (Isaac House Strain). Very large fringed and ruffled flowers in various shades of blue. Pkt. 10c.

Statice (Sea Lavender)

Produces a mass of tiny blossoms resembling the Baby's Breath during July and August. These, if cut and dried, last for months.

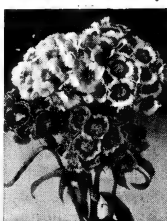
Latifolia. A charming variety for the border or rockery of purplish-blue color. Fine for bouquets. 1 ft. Pkt. 10c.

Sunflower (Helianthus)

Seeds sown early will produce flowering plants the first year.

Autumn Glory. Bright yellow flowers; blooming in August and September. Height, 3 to 4 feet. Pkt. 10c.

Sweet William (Dianthus Barbatus)



Sweet William.

A beautiful, free-blooming hardy perennial producing a splendid effect in beds and borders with rich and varied flowers. Grows 15 to 20 inches high.
Single Mixed. Pkt. 10c.
Double Mixed. Pkt. 10c.

Thalictrum (Meadow Rue)

The charming rose and white flowers and fern-like leaves are produced in graceful sprays during August and September. Plants about 4 feet.
Dipterocarpum. Pkt. 10c.

PERENNIAL FLOWERING PLANTS

During late April, all of May and early June, we offer a large assortment of sturdy plants, nearly all field grown.



Tritoma.

Valeriana (Garden Heliotrope)

A hardy plant, rather spreading, about 2 feet high with silvery green foliage, producing large clusters of red or white, very fragrant flowers, from June to October. Fine for bouquets. Valeriana should be in every garden. Mixed colors. Pkt. 10c.

Hardy Verbena

A new perennial species from Buenos Aires. The slender, freely-branched stems attain a height of 4 to 5 feet and bear numerous terminal sprays of heliotrope flowers during July and August. Pkt. 10c.

Veronica Speedwell

Plants about 18 inches, bearing small spikes of rich blue flowers most of the summer. Fine for cutting.
Spicata. Pkt. 10c.

Viola Odorata (Sweet Violets)

Owing to their fragrance and simplicity of culture Violets have met with general favor. If planted in a shaded moist position they will thrive and flower freely. About 6 inches. Crop failure. No seed available in 1942.

Wallflower (Cheiranthus)

Half hardy perennials bearing early, dainty yellowish, red or orange flowers, which have a delicious odor. Require winter protection in the Northwest. May be started indoors and set out in May. Height, 15 to 18 inches. Single or double, finest mixed. Pkt. 10c.

Bulbs and Roots

Many Lily bulbs have come from the Orient in past years and due to present war conditions varieties not priced are not available at the time this catalog is being printed.

AMARYLLIS. A fine strain in a wide range of beautiful colors. They are easy to grow in the house. Mixed only. Each, 35c.

AURATUM LILY. Flower heads are large with broad petals gracefully recurved. White, thickly studded crimson maroon with a wide gold band down the center of each petal. Plant 9 inches deep.

BATEMANNAE LILY. Gorgeous deep apricot blooms in July. Plant bulb 6 inches deep.

BEGONIA. Tuberous rooted. These profusely-flowering pot plants are deservedly popular for garden, flowering all summer. Colors: scarlet, pink, orange, white, yellow. Each, 25c; doz., \$2.50.

BLEEDING HEARTS (Dielytra). One of the most delightful of all the early spring flowering plants, bearing numerous rosy-red, heart-shaped flowers in drooping racemes. Grow 2 feet high. Potted plant, each, 50c.

CALADIUM (Elephant's Ear). Plants produce large, broad, green leaves. Each, 20c.

CINNAMON VINE. Well-known climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will grow 25 to 40 feet in a season. Each, 8c; 2 for 15c.

CORAL LILY (Lilium tenuifolium). Deep coral-red flowers. Bloom during June and July. A charming lily for border or rock garden. Plant 5 in. deep. Each, 15c.

ELEGANS LILY. Very hardy, dwarf lilies thriving in any garden and producing large, erect flowers of various shades of yellow, orange or red. Grow from 1½ to 2 feet high and bloom during June and July. Plant 6 inches deep.

GLOXINIAS. Showy flowering bulbs for the window, garden or conservatory. Each, 35c; 3 for \$1.00.

HENRY LILY. Rich apricot yellow flowers with brown spots during August and September. Plant bulb 10 inches deep.

ISMENE CALATHINA (Peruvian Daffodil). A grand summer flowering bulb, producing with great freedom large Amaryllis-like, pure-white, fragrant blossoms. Exceptional for cut flowers. Each, 20c.

JAPONICUM LILY (Kramer). Flowers a lovely clear pink, often shaded blush. Blooms in June. Plant 8 inches deep.

MADEIRA VINE. The old "Climbing Mignonette." Prized on account of its rapid growth and freedom from insects. Thick, glossy leaves, and long, hanging stems of feathery, fragrant, white flowers. Each, 8c; 2 for 15c.

MONTBRETIA. Bulbs make lovely cut flowers on spikes like miniature gladioli. Treat same as gladioli, plant 3 inches deep and about 4 inches apart. Colors are scarlet, orange, yellow and salmon. Mixed only. Each, 8c; 2 for 15c; doz., 75c.

OXALIS. They produce an unbroken row of foliage about one foot high in continuous bloom. The colors are white, red or pink. Mixed only. Each, 3c; 2 for 5c.

REGAL LILY. This beautiful new species is acknowledged to be the finest of all hardy lilies. Pure white, shaded pink on outside of petals. Blooms early in July. Plant 9 to 12 inches deep. Large size. Each, 40c.

RUBRUM LILY. White shaded and spotted with rose and black. Flowers in August. One of the most beautiful of all lilies. Plant 9 inches deep.

TIGER LILY. The Tiger Lily with its showy spotted red-orange flowers blooms in August. Very easy to grow, thriving in full sun in any soil. Single or double. Plant 8 to 10 inches deep.

TIGRIDIA. Mexican bulbs producing showy, large, odd-shaped, blooms of gorgeous beauty, in red, orange, yellow, etc. Grow 18 inches high, flowering all summer long. Handle the same as Gladioli. Mixed. Each, 15c.

TUBEROSES (Dwarf Double Pearl). Pure white. One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. Plant as soon as the ground becomes warm. Plant 2 inches deep. Each, 6c; doz. 60c.

GLADIOLI

The Gladioli are the most attractive of summer-flowering bulbs. They bloom just when the garden needs brightening up. Their bright spikes help the perennial border especially, which so often lacks color at midsummer before its autumn revival.

CULTURE. The Gladiolus thrives in a sunny location. Grows in any good garden soil, but does much better when the latter has been enriched with a fertilizer like Vigoro, Bone Meal or Sheep Manure. If the bulbs are planted at intervals from April to June the blooming period will extend from July until frost. A trench should be dug five inches deep and an inch of sand placed in the bottom to absorb surplus moisture. Set the bulbs 6 to 8 inches apart.

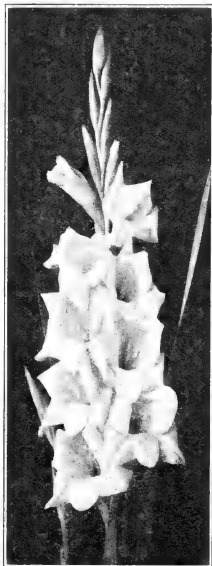
For earliest blossoms, draw 2 inches of soil over the bulbs at first, replacing the rest when the shoots appear. Keep free from weeds and give plenty of water, especially during the blooming period.

Before the ground freezes lift the bulbs. After the tops dry, they should be cut off, the bulbs separated and the small side growth or bulb-lets removed. The latter may be handled like the big bulbs. Then the bulbs are placed in paper or cloth bags, sawdust or sand to prevent them from becoming too dry. Keep bulbs in a temperature of about 35 degrees to prevent sprouting.

FOR CUT FLOWER USE. The spike should be cut as soon as the first flower opens on the stalk, preferably before the dew is off in the morning but never in the heat of the day. Cut the stem about 9 inches above the ground and with as little foliage as possible. The foliage is needed for the development of the new bulb. Place the cut flowers in a deep vase, with at least 8 inches of water. Remove the faded blossoms, cut a little of the stem and change the water daily. Treated in this way the buds will open perfectly.

TO CONTROL THRIPS

Tartar of Emetic, Naphthalene Flakes and Semesan will control thrips, Gladioli's worst enemy. See pages 47 and 48 for prices.



Golden Dream

	Each	Doz.	100
Ave Maria , a fresh toned medium blue....	5c	50c	\$3.50
Beacon , salmon scarlet, cream throat....	8c	80c	6.00
Bingo , soft cream with tints of rose....	25c	2.50	5.00
Bit O' Heaven , tall, deep orange.....	8c	80c	6.00
Black Opal , black red, long spike.....	25c	2.50	5.00
Blue Admiral , deep violet blue.....	6c	65c	4.00
Brightside , deep orange to yellow throat	6c	65c	4.00
Charles Dickens , reddish purple.....	5c	50c	3.50
Excellence , large, light red, early.....	5c	50c	3.50

HARDY WATER LILIES

Water Lilies are one of the easiest plants to grow and no flower in the garden is as fascinating and lovely as the water lily. We give full planting instructions with each order.

Amabilis . Flowers deep pink, almost red in center, which lighten to a silver pink on the tips. Blooms are starry in form, slightly cupped. A very desirable and charming lily. Each.....	\$1.50
Comanche . Flower opens rich apricot, changing to a deep, coppery bronze. A profuse bloomer. Holds itself well above water surface. Outstanding in every way. Each.....	\$1.75
Mariacea Albida . Pure white blooms of large size with yellow stamens. Are quite fragrant. The snowy white lilies bloom continuously throughout the season. A splendid variety. Each.....	\$1.00
Mariacea Chromatella, Yellow . The most popular of all water lilies. Blooms are a sulphur yellow and start blooming early, producing an endless succession of flowers. Leaves are handsomely spotted with maroon. Each.....	\$1.25
Pink Opal . One of the finest pink lilies for cut flowers. The handsome deep pink blooms are of medium size. The flowers stand well above the water. Each.....	\$1.00
Sunrise . Yellow. The largest and easiest to grow. Starts blooming early, continues until late fall. A steady and profuse bloomer.	

BEGINNER'S SPECIAL
From the select list of Gladioli listed on this page we offer 25 bulbs, 11 varieties, all named, our selection, for only.....

\$1

	Each	Doz.	100
Flaming Meteor , deep scarlet, tall spike.....	10c	\$1.00	....
Frank J. McCoy , large, pure deep pink....	6c	65c	\$4.00
Gladness , clear bright orange scarlet....	10c	1.00	....
Gold Dust , clear deep yellow, early.....	8c	80c	6.00
Green Light , ruffled white with green cast when flowers open.....	20c	2.00	....
Gypsy Girl , scarlet with yellow blotch....	10c	1.00	....
Hector , light scarlet, nicely ruffled, early	8c	80c	6.00
Heritage , pure pink, white throat, large.	8c	80c	6.00
Hinemoa , deep rose, large cream blotch....	10c	1.00	....
Isola Bella , orchid pink, heavily ruffled....	10c	1.00	....
John S. Bach , salmon orange, very early.	6c	65c	4.00
Joseph Hayden , light blue, deep blue blotch.....	12c	1.25	....
King Lear , deep reddish purple, silver line on edge of petals. Very large....	25c	2.50	....
La Fiesta , clear bright orange, tall.....	6c	65c	4.00
Lavender Queen , deep violet lavender, tall	7c	75c	5.00
Lavinia , medium deep pink, tall spike....	8c	80c	6.00
Lucifer , bright orange, crimson blotch....	6c	65c	4.00
Maid of Orleans , milky white, cream throat.....	5c	50c	3.50
Margaret Beaton , pure white, orange scarlet blotch. One of the finest glads.....	25c	2.50	....
Max Reeger , lavender blue, darker throat	8c	80c	6.00
Merschbaum , light ochre, overlaid red orange.....	12c	1.25	....
Milford , azure blue, immense flowers....	6c	65c	4.00
Minuet , delicate shade of lavender, large	6c	65c	4.00
Miss Bloomingdon , light yellow, tall, early	6c	65c	4.00
Miss New Zealand , apricot salmon suffused rose, peach blotch. Very large	10c	1.00	....
Morocco , dark maroon, buds look black....	6c	65c	4.00
Ninth Symphony , salmon red, no markings.....	8c	80c	6.00
Paradise , apricot, tall spike, early.....	6c	65c	4.00
Phyllis McQuiston , deep shrimp pink....	6c	65c	4.00
Picardy , shrimp pink, large flowers....	5c	50c	3.50
Polar Ice , largest early pure white.....	6c	65c	4.00
Rewi Fallu , deep blood red, large flowers	8c	80c	6.00
Rosa Von Lima , light rose, lines in throat	8c	80c	6.00
Rosemarie Pfitzer , creamy white, tinted pink.....	7c	75c	5.00
Schwaben Girl , pure pink, early.....	5c	50c	3.50
Shirley Temple , light cream, ruffled....	7c	75c	5.00
Smiling Maestro , deep salmon rose.....	8c	80c	6.00
Snow Princess , white, one of the best....	15c	1.50	....
Southern Cross , fine deep red.....	6c	65c	4.00
Taiaron , smoky salmon pink, rose purple blotch in throat.....	8c	80c	6.00
Thos. A. Edison , deep velvety red, ruffled	10c	1.00	....
Vagabond Prince , bronzed red with rich orange red throat blotches. Very fine	8c	80c	6.00
Yellow Emperor , clear light yellow.....	5c	50c	3.50
Mixed Colors , (large size).....	3c	30c	2.00
Mixed Colors , (medium size).....	2c	15c	1.00

Carries its huge flowers on stiff stems well above the water. A superb variety.

Each.....\$2.00



Venusta. Pink. One of the most fragrant of water lilies. The blossoms have a smooth depth of color, a brilliant Begonia rose of surpassing beauty. Extremely hardy. Each.....

IRIS

Iris should be planted in a sunny location and may be planted in groups or singly. Bearded varieties in general prefer an alkaline rather than an acid soil. The Iris should be planted in a well-drained location as too much moisture, especially in hot weather, may cause the roots to decay. Iris may be planted at any time of the year except when they are in bloom or when the ground is frozen, although the best time for planting is in the early spring or months of July and August.

We are offering the following select list of popular Iris for spring delivery, or orders will be accepted for July or August delivery. We can also supply almost any variety of Iris not listed on this page. The roots or rhizomes are larger in July or August than in the spring.



Indian Chief Iris

VISIT OUR IRIS SHOW

During the blooming period of Iris, usually the end of May and June, we have on display in our store a large number of Iris blooms, among them some of the world's newest and finest varieties. Orders for Iris can then be left for August delivery.

California Gold. One of the most sensational new color advancements that the Iris world has seen. It is a rich, bright, shiny yellow of fine size and excellent proportions, a real novelty. Each, 35c.

Cheerio. A bright-colored red Iris. Noted for its brilliance and charm. The flowers are very rich looking; the velvety red petals contrasting with the bright rosy red upright petals. You will enjoy this fine Iris. Each, 30c.

Copper Lustre. Colored just like a piece of old copper ware, it is a true copper-colored Iris. The entire flower is the same shade. Large, full flowers as distinctly colored as any Iris we list and very popular. Each, 35c.

Crystal Beauty. A deserving white being of particular value because it is one of the tallest Irises, reaching 5 feet. Immaculate, stately white blooms of beautiful symmetry, a true picture of floral loveliness. Each, 25c.

El Capitan. Huge blooms carried on well-branched stems. This upstanding blue flower measures six inches from top to bottom. Each, 30c.

Frieda Mohr. A lavender rose color, very rare. Blooms are beautifully formed and extra large. Strongly recommended. Each, 25c.

Golden Light. A color jewel. Bright burnished tones of orange cinnamon and golden brown copper. A very lovely colored iris. It has very unusual form being ruffled and fluted in a delightful manner. A prodigious blooming variety, one root often yielding two stems to the root. Each, 25c.

Golden Treasure. An Iris that has to be seen to be appreciated. Its beauty lies in the most wonderful blendings of rich cream and butter yellow. The color glows and shimmers like glowing sun rays. It is one of the most popular Iris in America today. Each, 50c.

Imperial Blush. Delicately beautiful and pleasing. It is a light silvery-orchid pink or pink-lavender. The coloring holds up well in all kinds of weather for such a delicate color. Each, 25c.

Indian Chief. This is an extremely popular Iris. One of the red Iris just introduced less than ten years ago at a price over \$20.00. Two tones of red, the standards are lighter with rich velvety falls. It is a colorful Iris. A superb grower and a lovely plant. Each, 25c.

Los Angeles. A huge satiny white of beautiful form, delicately marked blue which you will admire. Each, 25c.

Marquita. A striking Iris of very large size; glowing cream contrasted with lower petals of watermelon-rose. A lovely Iris, different and unusual and late flowering. Each, 35c.

Missouri. One of the Iris classics. The huge blooms are very full and round. The petals are nearly as broad as they are long. A rich, even shade of emerald rich blue. Several fine blooms are open at the same time. It is a prize winner on the show bench year after year. Each, 35c.

Naranja. The first orange-toned yellow Iris. The orange overcast is very striking. A very broad formed flower. Most unusual and very desirable because of the unusual color for such a large flower. Each, 30c.

Rameses. Upstanding giant in tones of golden buff and rosy pink. A clump of several spikes of this variety is stunning in the garden. Each, 25c.

Shah Jehan. One of the most sensational novelties. An extravaganza of color; standards dainty cream buff edged lavender, the falls are rich and magnificent, quickly blending from light fawn to glowing copper, then to rich chestnut. This in turn changes to lustrous tone of velvety purple. All this climaxed by brilliant orange beard. Each, 25c.

Sierra Blue. About the tallest Iris to date, stems reaching 4½ feet. The color is extra good being a rich shade of near royal blue. You have never seen a blue Iris like this. Just the Iris to plant in the background with shorter ones in front. Each, 35c.

Sir Michael. Known throughout the Iris world as one of the most unusual colored Iris, combining sky blue standards with a rich velvety mahogany purple falls. The entire flower is lighted by the brightest orange gold beard. Each, 25c.

William Mohr. A sensational new Iris. Huge globular formed blooms. The whole bloom is veined beautifully manganese violet on pale lilac. Give it a warm sunny location. No other Iris like it. Each, 25c.

Winneshiek. One of the finest of the rich velvety blue-black color section with segments unusually broad and lustrous. A touch of ruffling augments its graceful form. A most distinctive lighter margin on rich velvety falls. Each, 25c.

(Iris prices are postpaid.)

CANNAS

Cannas with their rich foliage and brilliant flowers are a big favorite as a beautifier of home grounds and parks.

The Cannas thrive under almost any conditions and if given a little care and attention, will produce an abundance of attractive foliage as well as large spikes of beautiful flowers of unusually bright colors. Their long flowering season insures a constant display of color. Cannas make the best showing when planted in beds by themselves. The soil should be well fertilized and worked up thoroughly to a depth of 10 to 12 inches. The bulbs can be set about 12 inches apart and about 4 to 6 inches deep. Mulching with lawn cuttings will help retain the moisture. Start bulbs in pots indoors in March or April so not set out until all danger of frost is over; about June 1st here in the Northwest.

The Cannas we offer are not dormant bulbs, but potted plants that have been started in the greenhouse so that they have developed a real live root system. Give them plenty of moisture until they are set out. Add postage to mail orders.

CANNA PRICES, on varieties listed below: Each, 15c; dozen, \$1.50.

Ambassador. Foliage bronze, immense flowers cherry-red and very brilliant. Grows 3½ to 4 feet high.

City of Portland. A deep pink which does not fade during the hot weather. Foliage green. A fast grower and heavy bloomer. 5 feet.

Eureka. A remarkable free-flowering variety of white flowers, which first appear cream. Foliage green. 4½ ft.

Firebird. Green foliage, deep red blooms, so firm they do not wilt in the brightest sun. 4 feet.

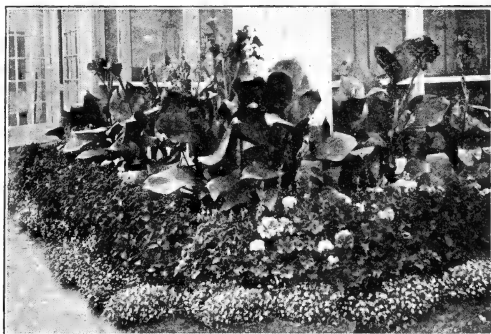
Karl Merck. Green foliage, flowers pure yellow with tinge of orange and pink becoming red in throat. Very large flower spike. 4 feet.

King Humbert. Scarlet flowers and bronze leaves. A remarkable Canna. Incomparably beautiful 4 feet high.

Orange Belder. Bright orange with enough scarlet suffusion to intensify the dazzling mass of color. Green foliage. 4 feet high.

The President. A rich, glowing scarlet, and immense flowers, produced on erect stalks well above the green foliage. Grows 4 feet high.

Yellow King Humbert. Foliage is a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. Grows 4 feet high.



DAHLIAS

The Dahlia is one of the most popular of garden flowers. Its flowers may be used for garden decorations, house decorations, bouquets, florists' work and exhibition.

CULTURE. An open, sunny location seems to favor them at all times. Dahlias can be planted any time after danger of frost is over, but do not plant too early. The Dahlia is a fall flower and if planted too early will commence to bloom in the hottest weather, and either blast in the bud or produce one-sided flowers.

Plant tuber 6 inches deep, on its side, having sprout or eye facing upward; cover with about two inches of soil. When sprouts are 6 inches high add more soil, making it level with surface. Cultivation is the principal requirement of the Dahlia—the most important of all operations to insure success.

Abbreviations: (C.) Cactus; (S. C.) Semi-Cactus; (F. D.) Formal Decorative; (I. D.) Informal Decorative.

	Each
Amber Queen. (Pompon.) Apricot and amber.....	20c
Barbara Redfern. (I. D.) Large, gold and rose.....	20c
Barshful Giant. (D.) Apricot and amber.....	20c
Belle of Springfield. (Pompon.) Bright red.....	20c
Charm. (D.) Burnt orange.....	20c
Coquette. (I. D.) Dark red and gold.....	20c
Countess of Lonsdale. (C.) Salmon pink.....	20c
Daddy Kemp. (D.) Large, reddish purple.....	40c
D. M. Moore. (D.) Maroon almost black.....	20c
D. W. Morrow. (D.) Velvety dark red.....	35c
Edward T. Bedford. (D.) Purple tinged silver.....	20c
Fairy. (Pompon.) Tiny, Jersey beauty pink.....	20c

SPECIAL DAHLIA OFFER NO. 1.

6 Beautiful Dahlias in a box in three different combinations:

No. D1 or D2—6 Fine Decorative Dahlias.

No. X1—1 Art, 1 Ball, 1 Cactus, 3 Decorative.

No. X3—3 Cactus, 3 Decorative Dahlias.

Any one Combination Box of above assortment 60c, or 70c postpaid within the third zone.

SPECIAL DAHLIA OFFER NO. 2.

12 of those priced 20c for \$1.85; or one each of the foregoing 48 varieties, regular price \$11.60, postpaid for \$8.75; within the third zone. Cash with order.

PEONIES

The Peony is a native of Siberia which undoubtedly accounts for its great vigor and hardiness. The ideal flower for the great Northwest since it endures the most intense cold without injury. The Peony is one of the most easily grown, and showiest of the perennial flowering plants.

Conditions of the soil, location and cultivation are important factors in growing Peonies. Peonies may be planted in the spring during the month of April and the early part of May, or in September. Work the soil thoroughly to a depth of 8 or 10 inches, applying at the same time a generous amount of Vigoro or bone meal fertilizer, mixed well into the soil. Plant root in this prepared soil so that the crown will be about 1 inch below the surface. Press the soil firmly around the roots.

Peonies should not be planted any closer than 3 feet apart and should not be close to trees as the roots of the trees take from the soil the nourishing elements that are needed by the Peonies. Peonies do best in a sunny location.

The following selected varieties we offer for spring delivery at very attractive prices, postpaid. Large 3 to 5 eye divisions. We also have Peony roots during September and October.

Reds

	Each
Karl Rosenfield, a very brilliant and striking variety of dark crimson. Globular, compact, semi-rose type, and very large. A splendid keeper as cut flower. Blooms midseason.....	\$.75
Mary Brand, a wonderful crimson variety with a silky brightness. Flowers are very large, semi-rose, and with golden stamens scattered through the center of fringed petals. Flowers midseason.....	.75
Richard Carvel. An early, globe-shaped red of large size and pronounced pleasant fragrance.....	.75
Unnamed Red.....	.60

	Each
Francis LaRocco. (F. D.) Canary yellow.....	20c
Gladys Sherwood. (C.) Large, white.....	20c
Golden Queen. (Pompon.) Deep yellow.....	20c
Golden Standard. (C.) Golden tan shading to amber.....	30c
Jane Cowl. (I. D.) Bronzy buff and gold.....	20c
Jean Kerr. (F. D.) Free blooming, white.....	20c
Jean Trimbee. (S. C.) Deep petunia violet.....	35c
Jersey's Beacon. (F.D.) Scarlet and buff.....	20c
Jersey's Beauty. (F. D.) Pink, long stems for cutting.....	20c
Jersey's Mammoth. (D.) Giant, mahogany and gold.....	25c
J. H. Jackson. (C.) Maroon.....	20c
Josephine G. (D.) Rose pink.....	30c
Judge Marean. (D.) Popular orange and red.....	20c
Kathleen Norris. (I. D.) Large, rose pink.....	30c
Mary Munns. (Pompon.) Lavender.....	20c
Minamoto. (C.) Large, dazzling scarlet.....	20c
Monarch of the East. (D.) Large, orange bronze.....	50c
Monmouth Champion. (F. D.) Enormous, flame red.....	20c
Mrs. Carl Salbach. (D.) Lavender pink.....	20c
Mrs. Geo. Le Bontillier. (D.) Deep carmine, giant size.....	30c
Mrs. I. DeVer Warner. (F. D.) Orchid lavender.....	20c
Omar Khayyam. (F. D.) Red and orange.....	30c
Purple Maniton. (D.) Purple.....	20c
Red Cross. (C.) Salmon orange.....	20c
Rosa Nell. (D.) Deep rose pink.....	20c
Rose Fallon. (D.) Giant, old gold.....	20c
San Francisco. (D.) Shrimp pink.....	50c
Sanhicans Bluebird. (F. D.) Bright violet blue.....	20c
Satan. (S. C.) Large, flaming red.....	30c
Snowclad. (Pompon.) Pure white.....	20c
The Commodore. (D.) Large, canary yellow.....	20c
Thomas A. Edison. (F. D.) Royal purple.....	30c
White Wonder. (I. D.) Giant blooms, pure white.....	25c
Wm. H. Hogan. (F. D.) Large, red tipped white.....	20c
W. H. T. (D.) Old rose, mauve reverse.....	25c
Zion's Delight. (D.) Large, deep red.....	25c



Dahlia

Whites

	Each
Marie Jacquin. A midseason semi-double flower with purest white guards; then a collar of yellow stamens which surround a row of shorter pure white petals, then a tuft of yellow stamens, giving a Waterlily effect. Perhaps the most dainty of all Peonies. Each.....	\$.75
Festiva Maxima. An early true rose-type of purest white, edge of inner petals flecked crimson. The large blooms are lovely in the garden or for cut flower use. Outstanding in every way. Each....	.75
Unnamed White.....	.60



Peonies—As Beautiful as the Rose—Hardy as the Oak.

Pinks

	Each
Albert Crousse. Beautiful, delicate, salmon-pink. A profuse bloomer with finely formed flowers on strong stems. Each.....	\$.75
Edulis Superba. A fine early, deep pink. Flowers are large, borne profusely on tall, strong stems. One of the very best for cut flowers. Each....	.75
Unnamed Pink.....	.60

ROSES

Brownell Everblooming Roses (also inside back cover)

A new race of sub-zero hybrid teas from harder species that bloom all summer, of great sturdiness and vigor, to survive sub-zero winters. Budded on Rosa Multiflora. Outstanding in every way.

ANNE VANDERBILT. Exquisite coppery orange, semi-double, very brilliant, fragrant. Each, \$1.60.

BREAK O'DAY. Orange to apricot, large flower, very vigorous, free bloomer, delightfully inspiring. Each, \$1.60.

KING BOREAS. Lemon-yellow, very double, free constant bloomer, a beauty. Each, \$1.60.

LILY PONY. White with pure yellow center, large flowers of indescribable delicacy, vigorous, free bloomer. Each, \$1.60.

PINK PRINCESS. Bud red, flower deep pink, free from defoliation by blackspot. Each, \$1.60.

ROSE SPECIAL

Any three Brownell Roses listed at \$1.60 each for \$3.90 or six for \$7.50. (Express or postage extra.)

Hybrid Perpetual Roses

Hardier than hybrid teas, not as hardy as sub-zero hybrid teas. The varieties listed here will bloom in late summer and fall, as well as June, although not as fully as the hybrid teas.

FRAU KARL DRUSCHKE. Very large pure white of perfect form, excellent texture and keeping qualities. Considered the best white. Each, 75c.

MRS. JOHN LAING. A soft delicate pink. Fragrant. Flowers over a long period. Each, 75c.

PAUL NEYRON. This old time rose is still a big favorite. Deep rose, very fragrant. Each, 75c.

Shrub Roses

Perfectly hardy and need no winter protection. Can be planted in shrubbery borders, separate beds, groups, or as individual specimens. The Grootendorsts are the only really hardy everblooming roses.

AGNES RUGOSA. A new free-flowering, fragrant, golden-amber rose. This rugosa hybrid originated in Canada. Each, 85c.

HANSA RUGOSA. A showy hybrid with abundant large, reddish violet flowers. Each, 85c.

HARRISON'S YELLOW (Austrian Briar). A big bushy shrub, producing quantities of medium sized, semi-double, light yellow flowers in early summer. One of the best hardy yellow roses. Each, 75c.

PINK F. J. GROOTENDORST. Identical with the red variety except color, a charming clear pink. Each, 85c.

RED GROOTENDORST. The bright red double flowers are freely and continuously produced in large clusters from early June until late fall. It is one of the most suitable plants for shrubbery and specimen plantings. Needs no winter protection. Each, 85c.

SIR THOMAS LIPTON. The snowy white flowers are double and bloom throughout the summer and fall. Each, 85c.

Everblooming Hybrid Tea Roses

From early June until frost these roses will bloom constantly, showing often 20 blooms and buds at a time.

AMI QUINARD. Maroon-red semi-double flowers. A vigorous bloomer. The best "black" rose. Each, 75c.

BETTY UPRICHARD. Outside a blend of deep toned carmine with coppery-orange, inside a delicate salmon-pink. Each, 75c.

CHARLOTTE ARMSTRONG (Pat. No. 455). Long slender blood-red flowers that are a vivid cerise in warm weather. A grand new rose. Each, \$1.50.

CHRISTOPHER STONE. Large semi-double vivid scarlet blooms overlaid with velvety crimson. Has a fine old rose fragrance. Each, 75c.

COLUMBIA. Long stemmed fragrant flowers of vivid pink. Each, 75c.

CONDESA DE SASTAGO. A strong grower of golden-yellow, striped with brilliant coppery-red. A striking rose. Each, 75c.

CRIMSON GLORY (Pat. No. 105). Experts agree it is the best red rose grown. Its vivid crimson shaded flowers are mellowed by a soft velvet nap. Each, \$1.25.

EDITH NELLIE PERKINS. Pointed buds of rich orange outside, salmon-pink inside. Vigorous and free flowering and perfect form. Each, 75c.

ETOILE DE HOLLAND. Brilliant red flowers and long lasting fragrance. One of the best reds. Each, 75c.

GOLDEN DAWN. Lemon-yellow buds, heavily splashed with crimson, opening to fragrant, large, double sunflower yellow. Each, 75c.



Every Garden Should Have Roses

GLAUSS AN ANGLAIS. Double blooms of brilliant crimson. One of the best. Very hardy. Each, 75c.

JOANNA HILL. Long lasting, pointed, clear yellow buds with orange-yellow center, heavy foliage. Each, 75c.

MCCREIDY'S SCARLET. The fragrant double blooms are a brilliant scarlet, orange-yellow at base of petals. Each, 75c.

MME. JULES BOUCHE. One of the best everblooming whites, lightly tinted pink at center. Each, 75c.

MRS. CHAS. BELL. Lovely shell-pink buds and blooms of fine, globular form with shadings of soft salmon. Fragrant. Each, 75c.

MRS. E. P. THOM. Large, well shaped, unfading bright canary-yellow. One of the best. Each, 75c.

PINK RADIANCE. Large, fragrant blooms of brilliant rose-pink. Each, 75c.

PRESIDENT HOOVER. Long stems of beautifully colored, large blooms of yellow with pink and flame tints. Very fragrant. Each, 75c.

RED RADIANCE. A fine rose that continues to produce its bright cerise-red flowers throughout the hot summer and fall. Delightfully fragrant. Each, 75c.

SOEUR THERESE (Sister Therese). Rich yellow pointed buds, heavily marked with carmine. Each, 75c.

TALISMAN. Brilliant gold, cerise, scarlet and pure yellow in a beautiful combination of color. Each, 75c.

ROSE SPECIAL Any six 75c roses listed on this page for \$3.45 or \$3.75 postpaid within 3rd zone.

Climbing Roses

BLAZE (Plant Pat. No. 10). Outstanding in every way, bearing double, vivid scarlet blooms; profuse bloomers in spring and intermittent all season. Each, \$1.00.

CLIMBING AMERICAN BEAUTY. Rosy crimson flowers 3-4 inches across, produced freely in June and occasionally till frost. Very fragrant. Each, 75c.

COPPER GLOW (Brownell). Deep coppery-orange, delightfully spicy fragrance, latest color sensation. Each, \$1.50.

CRIMSON RAMBLER. Strong growing climber, producing huge clusters of blazing scarlet flowers. Each, 75c.

GOLDEN GLOW (Brownell, Pat. No. 263). This is the spectrum yellow, fragrant, abundant mass color display of which the New York World's Fair management planted 200. Each, \$1.25.

NEW DAWN (Plant Pat. No. 1). Everblooming, soft pink hybrid formed flowers, slightly fragrant. Hardy. Each \$1.50.

PAUL'S SCARLET CLIMBER. Intense scarlet roses of excellent shape, borne in clusters. Flowers are of large size. Each, 75c.

Everblooming Semi-climbers

A new type which has been tried here with much success. Really a super super-polyantha. Will kill down to the ground line in winter but will grow five to six feet in a season, blooming all summer and fall.

PROSPERITY. Masses of double white flowers on graceful arching branches with luxuriant disease-free foliage. Each, 85c.

SKYROCKET. Produces large flower clusters of medium-sized, brilliant red blooms. Of sturdy upright growth. Splendid for background of H. Teas. Each, 75c.

Floribunda Everblooming Roses

These new super-polyantha roses are rapidly becoming popular and deservedly so. Hardier than hybrid teas and more resistant to disease, they are more free and persistent bloomers, many of the varieties are never without bloom throughout the season. Flowers come usually in clusters of large individual roses. Ideal for garden display and excellent for cutting.

BETTY PRIOR (Pat. No. 340). Wood similar to Red Dogwood, flowers red, turning to shell-pink. Each, 85c.

DONALD PRIOR (Pat. No. 377). Large semi-double, fragrant, bright scarlet flowers. A lovely rose. Each, 85c.

ELSE POULSEN. Bright rose-pink, semi-double and long lasting. Vigorous, continuous bloomer. Each, 75c.

GRUSS AN AACHEN. Orange-pink turning to soft, salmon-pink and white on opening. Each, 75c.

IMPROVED LAFAYETTE. Vigorous plant and persistent bloomer. Flowers deep red, loose-petaled double blossoms. One of the best for show or cutting. Each, 75c.

KIRSTEN POULSEN. Bright scarlet blooms on long stems, in clusters. Lasting. Each, 85c.

Polyantha Everblooming Roses

These hardy plants, only 18 to 24 inches high, bloom continuously throughout the summer but flowers are smaller than the Floribundas.

CECIL BRUNNER. Dainty clear pink flowers with a yellow center. Each, 75c.

GOLDEN SALMON. Bright orange-salmon, a free bloomer. Each, 75c.

LAFAYETTE PINK. Flowers soft silver-pink, bright and lovely, a heavy bloomer. Each, 75c.

Please Note

Nursery stock after leaving our premises is beyond our control and we cannot guarantee it to grow. If, however, we are notified before July 1st, that any such stock purchased from us at the regular catalog price during the month of April or May of this year did not grow, we will replace same next spring at one-half the original cost. This does not apply to Nursery Stock purchased below quoted prices.

In the shrubs, fruit trees, berry bushes, etc., listed in the following pages, we are offering only those varieties that are especially hardy for the Northwest. As with our seeds, we take special pains in getting the very best, strong, healthy stock obtainable. Plant shrubbery as early in the spring as you can as conditions then are ideal in establishing a good root growth which is very important in transplanting.

Shrubs

ALMOND, PINK FLOWERING. Rose-like pink flowers in early spring. Should be planted deeply to prevent sprouting of the plum root on which for hardiness, this variety must be grown. One of the most beautiful early flowering shrubs. Each, 75c.

BARBERRY (*Berberis thunbergii*). A low growing bush with small beautiful coral colored flowers in fall. The bright red berries remain on the branches all winter. Each, 35c.

BARBERRY, RED LEAVED. Leaves and plant grow slightly larger than the common barberry. Leaves have a lovely red color. Each, 75c.

BEAUTY BUSH. A very handsome hardy shrub, growing 6 to 8 feet high, resembling the Weigelia and Honeysuckle, bearing an amazing lot of pale pink bell-shaped flowers in June. A fine shrub. Each, 75c.

BUTTERFLY BUSH (*Buddleia magnifica*). A shrubby perennial sometimes called summer lilac. Blossoms borne in long racemes are rosy lilac in color with orange centers. A fairly rich soil, sunny position and abundance of water are essential for the successful culture of the Buddleias. New growth starts from roots each year. Grows 3 to 4 feet high. Each, 50c.

COTONEASTER, PEKING (*Cotoneaster acutifolia*). An attractive, beautifully compact shrub with thick, glossy leaves, turning red in the fall. Small white flowers in early summer followed by large black berries which remain on the bush nearly all winter. Perfectly hardy. See Hedge Plants also. 2-3 ft. size. Each, 50c.

CRAB, BECHTEL'S DOUBLE FLOWERING. Covered in spring with fragrant double rose-like pink flowers. A fine small lawn tree. Grows 15 feet tall. Each, \$1.25.

CURRENT, ALPINE (*Ribes alpinum*). A very dense growing shrub with fine dark green leaves. Height 3 to 4 feet. A very good plant where the soil is well drained. See Hedge Plants also. 2 to 3 ft. size. Each, 75c.

CURRENT, YELLOW FLOWERING (*Ribes aureum*). One of the earliest shrubs to bloom in the spring. Covered with bright yellow flowers with clove fragrance. Bush grows 3 to 5 feet high. Each, 75c.

DOGWOOD, RED TWIGGED (*Cornus sibirica*). Grows 8 to 10 feet high with clusters of white flowers, succeeded by ornamental berries in the fall. Stem and branches turn a blood red in the winter. Each, 50c.

DOGWOOD, VARIEGATED (*Cornus* *maelegantissima*). A variety similar to the Red Dogwood except that the leaves are green with a white stripe through the center. A desirable shrub for group planting. Each, 75c.

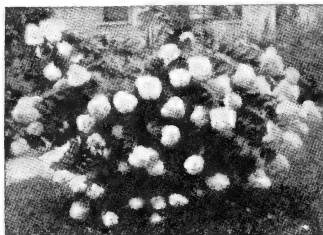
ELDER, GOLDEN (*Sambucus aurea*). A shrub of medium height with yellow foliage and white flowers. Valuable for group planting because of its contrast in color. Grows 7 feet tall. Each, 50c.

FLOWERING PLUM (*Prunus triloba* var. *plena*). A showy and interesting shrub, bearing in the spring, on its long slender branches a wealth of large pink double flowers. One of the finest spring blooming shrubs. Grows 5 feet high. Each, 75c.

FORSYTHIA SUSPENSUS FORTUNEI (Golden Bell). An upright growing shrub with finely arching branches and golden yellow flowers borne in profusion in early spring before leaves appear. Grows 5 ft. high. Each, 50c.

HIGH BUSH CRANBERRY (*V. opulus*). A very ornamental shrub with white flowers in late spring, followed in autumn by bright scarlet edible berries which remain until early winter. Grows 8 feet tall. Each, 75c.

HONEYSUCKLE, PINK (*Tatarica*). Very hardy, good for hedge or background for low growing shrubs. Fragrant pink flowers in May and June, followed by red berries. Grows 8 feet high. Each, 50c.



Hydrangea Paniculata Grandiflora

are out of bloom. Grows 4 feet high. Each, 75c.

HYDRANGEA SNOWBALL. (H. arborescens grandiflora) Heavy snowball-like flowers of white from late June to frost. Should have plenty of water. Will stand partial shade. Often used for solid low borders. Grows 3 to 4 feet high. Each, 75c.

LILAC, Common Purple. These are the old-fashioned Lilacs. Very hardy. 2 to 3-foot size. Each, 50c.

LILAC, PERSIAN (*Syringa persica*). A beautiful shrub with slender, arching branches and narrow leaves. Pale purple flowers in May. Grows 7 feet. Each, 85c.

LILAC, Rothmangensis (Rouen Lilac). Grows 10 to 12 feet high. Late blooming reddish purple flower. Delicately formed leaves. Each, 85c.

LILAC, Villosa. Dwarf, broad leaves, blooms pinkish. Each, 85c.

LILAC, Belle de Nancy (French). Large, double flowers of deep pink. Each, \$1.00.

LILAC, Chas. Joly. (French). Double purple flowers. 2 to 3-foot size. Each, \$1.00.

LILAC, Chas. X. (French). Has single reddish-purple blossoms. 2 to 3-foot size. Each, \$1.00.

LILAC, Gloire De Moulins. (French). Has single, dark purple flowers. 2 to 3-foot size. Each, \$1.00.

LILAC, Mme. Le Moine. (French). Double white flowers. 2 to 3-foot size. Each, \$1.00.

MOCK ORANGE (*Coronarius*). Orange scented, creamy white flowers in May and June. It is a strong growing shrub and like all Mock Orange is one of the best shrubs for situations which are partially shaded though preferring sun. Grows 7 feet tall. Each, 50c.

MOCK ORANGE, GOLDEN (*Philadelphus aurea*). A compact shrub of an ultimate height of 4 feet with very brilliant yellow foliage. It is a mass of white flowers in May and June. Each, \$1.00.

MOCK ORANGE (Mont Blanc). A new variety bearing large fragrant flowers. A good shrub for house foundation planting. Grows 4 feet high. Each, 60c.

MOCK ORANGE (Virginal). A magnificent new variety. Large, fragrant, pure white flowers bloom over a very long period. Grows 4 to 5 feet high. Each, 60c.

NINEBARK, DWARF (*Opulifolius nana*). A very compact low growing bush, 3 to 4 feet high, bearing clusters of white flowers in spring, followed by red berries. Foliage very attractive. Each, 75c.

PLUM, CISTENA (*Prunus Cistena*). A very compact shrub with bright red foliage. Grows 6 to 8 ft. Each, 85c.

RUSSIAN OLIVE (*Elaeagnus angustifolia*). A large shrub with attractive silver gray foliage. Desirable in large group plantings. Each, 50c.

SNOWBALL (*Viburnum opulus*). A popular shrub attaining a height of 6 to 8 feet and having large, round clusters of white flowers in May and June. Each, 75c.

SNOWBERRY, RED (Coral Berry). A native shrub that is hardy and easy to grow where other plants fail. Red to purplish red berries in late summer. Stands sun or shade and poor soil. Prune in early spring. Grows 2 to 3 feet high. Each, 50c.

SNOWBERRY, WHITE (*Symphoricarpos racemosus*). A compact, graceful shrub with slender arching branches. The pink flowers are succeeded by large white berries in September that persist well into the winter. Stands shade well. Grows 4 to 5 ft. high. Each, 50c.

FERTILIZED EARTH

This is rich soil, enriched with fertilizer, and prepared for house plant window boxes, etc. It is mixed and cured to give the best results to house plants and to prevent crusting which stunts or kills so many house plants, planted in ordinary soil.

10 lbs. (enough for 6—5-inch pots).....\$0.25
100 lbs.2.00

MAIL ORDERS

MAIL ORDERS FOR NURSERY STOCK ARE SENT TO MINNESOTA AND WISCONSIN POINTS ONLY. All prices are F. O. B. St. Paul. It wanted by Parcel Post, add 20% for postage and packing with a minimum of 25c; if by Express or Freight, add 10% for packing.



The Low Growing Spirea Anthony Waterer in front of Spirea Van Houttei, make a Fine Foundation Planting

SPIREA, ANTHONY WATERER. Brilliant rosy carmine flowers. Blooms all summer. Always blooms the first season. Makes a fine color combination planted with *Hydrangea arborescens*. Grows 2 feet high. Each, 50c.

SPIREA AUREA (Golden Spirea). Growth upright, attaining 5 to 6 feet, although the heavy white flower umbels in June make the branches droop. Foliage yellow changing to golden bronze in the fall. Each, 50c.

SPIREA BILLARDI (Pink Summer Spirea). Pink flowers in terminal spikes during July and August. Suitable for moist situations. Grows 5 feet high. Each, 50c.

SPIREA FROEBELI. Similar to Anthony Waterer, but a foot taller, with broader and darker leaves, which are a beautiful salmony bronze red in spring, reverting to similar shade in fall. Has reddish pink flowers in dense corymbs during July and August. Each, 60c.

SPIREA SORBIFOLIA (Plume Spirea). Foliage resembles a Mountain Ash. Long spikes of white flowers in July. Stands sun or partial shade. 5 ft. Each, 60c.

SPIREA VAN HOUTTEI (Bridal Wreath). A very hardy and effective shrub, with graceful arching branches well covered in late May with a profusion of large pure white flower clusters. The most popular and most planted of all shrubs. Will grow in almost any location. Grows 5 to 6 feet high. 2 to 3-foot size, 40c each; 10 for \$3.60; 3 to 4-foot, 60c each; 10 for \$5.40.

TAMARIX—Very fine foliage producing a fern-like effect. Attains a height of 6 to 8 feet. Pink flowers July to September. Each, 75c.

WEIGELIA EVA RATHKE. Large crimson flowers. Blooms throughout the summer and autumn. Needs winter protection. Grows 4 feet high. Each, 75c.

WEIGELIA ROSEA. Has coarse but gracefully drooping branches with pink flowers. If pruned after blooming, will flower off and on all summer. Grows 6 feet high. Each, 75c.

Clematis

No other climbing plant equals in attractiveness the beautiful flowering Clematis. Plant with crowns 3 inches below surface of soil. Provide good drainage.

JACKMANI. Broad-petaled flowers of violet-purple. The most popular and hardest of the blue-flowering Clematis. Potted plant, each, \$1.25.

MME. EDW. ANDRE. Very lovely velvety red, free-flowering and continuous bloomer. Potted plant, \$1.25.

Hedges

Plant living, lasting fences. Walls and fences are generally expensive but a fine green hedge may be had at a small cost and will add much to the beauty of the home, both summer and winter.

ALPINE CURRANT. A very dense-growing hedge with fine dark green leaves. Will grow to a height of 3 or 4 feet. The yellow flowers which open in May are very fragrant. Very desirable where the soil is somewhat dry. 15 to 18 in., each 35c; 10, \$3.15; 100, \$25.00.

BARBERRY (*Berberis Thunbergii*). Dwarf hedge, attractive and effective. Each, 35c; 10, \$3.15; 100, \$25.00.

BUCKTHORN. Best sheared low hedge, or free growing tall hedge. May be trained from 18 inches up. Very hardy. 2 to 3-ft. size, each, 30c; 10, \$2.70; 100, \$15.00.

CARAGANA ARBORESCENS (Siberian pea tree). An excellent hedge plant. Especially suited to light soils and sunny locations. The beauty of its foliage makes it desirable for planting in groups or in masses behind other low growing shrubs. Bright green pea-like leaves. Grows 8 to 12 feet high. Each, 30c; 10, \$2.75; 100, \$15.00.

COTONEASTER. When a hedge of medium height is wanted this is one of the best to plant. The leaves are a rich green and very glossy which adds to the beauty of the plant. 12 to 18 in., each, 30c; 10, \$2.75; 100, \$12.50.

LILAC, Common Purple. Heavy rooted, 18 to 24 inch plants. Each, 35c; 10, \$3.00; 100, \$20.00.

Ornamental and Shade Trees

AMERICAN ELM. A splendid tree for boulevard planting or yard. Graceful and of upright habit. Grows 80 to 100 feet high. 2-inch caliper trees, each, \$2.50.

BASSWOOD OR LINDEN. Has large heart-shaped leaves and fragrant white blossoms. A fine lawn tree. Hardy and fast grower. 6 to 8-foot trees, each, \$1.50.

BIRCH, WHITE. A medium sized tree native to Minnesota. The white bark is enchanting the year around. 6 to 8 feet. Each, \$1.75.

CHINESE ELM. This new shade tree is becoming very popular on account of its rapid growth, resistance to disease and ability to thrive in almost any situation. A tree of rare beauty. Grows 75 feet high. 6 to 8 ft. 75c; 10 to 12 ft. each, \$2.00.

CRAB, DOG. A beautiful ornamental tree, absolutely hardy. Produces an abundance of small red crabs. The trees are free from blight and very attractive with a mass of red fruit. Each, \$1.25.

CRAB, HOP. A very ornamental tree. Red blossoms completely cover the tree in early spring. Fruit is small, red inside and out. Each \$1.25.

MAPLE, SCHWEDLER'S. A very ornamental shade tree. The foliage is dark red in the spring and gradually softening to bronze, then turns to green later in the season. 6 to 8-foot trees. Each, \$3.50.

MAPLE, SOFT OR SILVER. A very rapid growing tree. The finely cut leaves show their silvery sides when turned by breezes. Grows 60 feet. 8 to 10 feet. Each, \$1.50.

MOUNTAIN ASH (European). The combination of foliage and clustered fruits makes this a very beautiful lawn tree. Bright red berries, white flowers. Used as specimen on the lawn or as an accent in the border. Grows 30 feet high. 6 to 8-foot trees. Each, \$1.50.

POPLAR, BOLLEANA. A tall, slender tree. Leaves are dark green on the upper surface and white beneath. The bark is silvery gray. Grows 80 feet high. 6 to 8-foot, each, \$1.00.

POPLAR, LOMBARDY. Very similar to the Bolleana except in color of leaf and bark which is green. Grows 100 feet tall. 6 to 8-foot trees. Each, 75c; 10 for \$6.75.

RUSSIAN MULBERRY. A low growing very bushy topped small tree. Leaves are small and many lobed. The edible fruit is sweet and resembles a blackberry. 5 to 6 foot trees. Each, \$1.00.

WILLOW, NIOBE WEeping (*Salix alba*). A small tree, with graceful, golden, drooping branches. It is one of the best of the Weeping Willows. 6 to 8-foot size, Each, \$1.50; 8 to 10-foot size. Each \$2.00.

Hardy Climbers

BITTERSWEET (*Celastrus scandens*)—A native vine in Minnesota. Produces an abundance of bright red berries that are used for decorative purposes in the winter. Very hardy. Good for covering trellises, etc. Each, 50c.

BOSTON IVY (*Ampelopsis Veitchii*). The grandest hardy climbing vine for covering houses, churches, schools, etc. Its glossy, ivy leaves make a rapid growth. The tendrils cling firmly to the smoothest surface of rock or brick. Each, 60c.

ENGELMANN'S IVY (*Ampelopsis engelmannii*). Leaves are larger and not as dainty as the Boston Ivy. This ivy grows very fast and clings to brick, stone or plaster. Perfectly hardy in Minnesota. Each, 50c.

SCARLET TRUMPET HONEYSUCKLE (*Lonicera sempervirens*). Trumpet-shaped flowers of bright scarlet. Blooms more or less all summer. Each, 50c.

Apple Trees (5 to 7 Ft.)

ANOKA. One of Prof. Hansen's valuable introductions to horticulture trade. Bears when two years old. Produces a large apple of fine flavor which matures earlier than the Duchess. Each, 75c; 10 for \$6.75.

BEACON. Developed by the Minnesota Agricultural University. A deep red apple of good size and quality that ripens early. Each, 75c; 10 for \$6.75.

DELICIOUS. A very high quality apple suitable for southern Minnesota. Each, 75c; 10 for \$6.75.

DUCHESS. Season, July and August. A vigorous growing, hardy tree. Fruit is large, greenish yellow striped with red. Each, 75c; 10 for \$6.75.

ERICKSON. Season early. Fruit large and bright red in color. Of special recommendation for northern section of Minnesota or Wisconsin. Each, 75c; 10 for \$6.75.

HARALSON. Season, January to April. Has been aptly called the Northwest's best winter apple. Tree vigorous and very productive. Each, 75c; 10 for \$6.75.

MCINTOSH. Season, October to January. One of the finest apples grown. Because of its brilliant deep red color, delicious flavor, crisp, snow-white flesh and distinct pleasant aroma many people prefer it to all other varieties. Each, 75c; 10 for \$6.75.

NORTHWEST GREENING. Season, November to June. Splendid for cooking. Each, 75c; 10 for \$6.75.

WEALTHY. Season, September to January. One of the best market and home orchard varieties for Minnesota. Fruit medium to large, beautiful red in color and good flavor. Each, 75c; 10 for \$6.75.

Hardy Cherry Trees (5 to 7 Ft.)

COMPASS. An especially fine cherry for preserving. Fruit is a bright red, juicy, tart flavor. Hardy in the Northwest. Each, 75c; 10 for \$6.75.

EARLY RICHMOND. Medium size, dark red; acid flavor. One of the most popular cherry varieties. Very hardy. Ripens in June. Each, 95c; 10 for \$3.25.

OKA. A very compact, somewhat dwarf, vigorous growing tree. It is a heavy yielder, producing bright red fruits of medium size. Each, 75c; 10 for \$6.75.

ZUMBRA. Late mid-season. A hybrid of the sweet, wildpin, and sand cherry. Should be thoroughly ripe before picking. Each, 75c; 10 for \$6.75.

Crab Apple Trees (5 to 7 Ft.)

DOLGO. It is absolutely hardy and very prolific. Producing an abundance of small red crabs, which make a perfect jelly even when fully ripe. A beautiful ornamental tree. Each, 95c; 10 for \$3.50.

FLORENCE. The best general purpose crab. Good for canning, pickles and jelly. Each, 75c; 10 for \$6.75.

HOPA. A very ornamental tree. Red blossoms completely cover the tree in early spring. Fruit is small, red inside and out. Each, 95c; 10 for \$3.50.

HYSLOP. Dark rich red fruit of large size and sub-acid flavor. Each, 75c; 10 for \$6.75.

TRANSCENDENT. A well-known variety of hardy crab. A good pickling and jelly crab. Has a tendency to blight. Each, 75c; 10 for \$6.75.

VIRGINIA. Very hardy and a vigorous grower, does not blight, fruit good for pickling or jelly. A prolific, annual bearer. Each, 75c; 10 for \$6.75.

WHITNEY. A fine crab for eating purposes or sweet pickles. Fruit of red color. Each, 75c; 10 for \$6.75.

Pear Trees

BANTAM. A very hardy, medium sized pear, practically immune from blight. Ripens early. Each, 75c.

MENDEL. A vigorous grower and practically resistant to blight. Fruit of medium size, yellow and good quality. Each, 85c; 10 for \$7.50.

PARKER. (Minn. No. 1.) Tree a vigorous grower, perfectly hardy, blight resisting. Fruit large, good quality, and heavy producer. Each, 85c; 10 for \$7.50.

Plum Trees (5 to 7 Ft.)

HENNEPIN. A mid-season, medium size fruit of bluish color and delicious flavor. Each, 75c; 10 for \$6.75.

MONITOR. Late mid-season. It produces a large beautifully formed tree of upright spreading growth, is very vigorous and hardy. Fruit large red, firm fleshed and of excellent quality. Each, 75c; 10 for \$6.75.

RED WING. Midseason. One of the largest of the new plums. Outstanding because of its unusually large, fine appearing, deep red fruits of high quality. Hardy in all parts of Minnesota. Each, 75c; 10 for \$6.75.

SUPERIOR. Considered one of the best mid-season plums. Fruit is large, beautiful red, flesh firm, of exceptional quality. Each, 75c; 10 for \$6.75.

SURPRISE. Fruit is attractive red and of high quality. A light yielder and we recommend planting only for pollinating other varieties. Each, 95c; 10 for \$3.50.

WILKA. A very productive variety bearing large, round, red fruit of firm flesh and good quality. Each, 75c; 10 for \$6.75.

UNDERWOOD. One of the best plums for general growing. The fruit is large, of an attractive red color, with a firm, juicy, golden yellow flesh. Season, late July and early August. Each, 75c; 10 for \$6.75.

WATA. One of the best plums. Very large, dark red overlaid with blue. Fruit of splendid flavor. Hardy and a heavy bearer. Each, 75c; 10 for \$6.75.

Hansen Apricot

This variety is perfectly hardy in Minn. and will bear fruit of finest quality, ahead of plums. Each, \$1.25.

Gooseberry Bushes

COMO. (Minn. No. 43.) A vigorous grower, very productive, nearly thornless, perfectly hardy and is disease-resistant. Fruit large and green in color when ripe. Each, 40c; 10 for \$3.50.

PERKINS. The berries are highly productive, very large, measuring one and one-half inches long and one inch wide. The color is light green turning to golden yellow at maturity. The flavor is pleasantly sweet and of best quality. Each, 50c; 3 for \$1.35; 10 for \$2.50.

Raspberry Bushes (Extra Heavy)

CHIEF. Has won favor due to its earliness, good size, firm and bright red fruit. Plants are hardy, vigorous and heavy yielders. Doz., 70c; 25, \$1.15; 100, \$4.25; 500, \$15.00; 1,000, \$23.75.

LATHAM. (Minn. No. 4.) The most popular red raspberry grown in this section of the country. A late, large, bright red raspberry of good quality. It is entirely hardy in the Northwest. Doz., 70c; 100, \$4.25; 1,000, \$24.00.

NEWBURGH. The berries are very large and firm, but of rather dry texture, highly desirable as a commercial berry. Much heavier bearer than Latham or Chief. Season the same as Latham. Doz., 70c; 25, \$1.15; 100, \$4.25; 500, \$15.00; 1,000, \$23.75.

Currant Bushes

RED LAKE. (Minn. No. 24.) This new currant promises to replace all other varieties in the cherry currant class. Bush is more upright and yields large berries borne on long, well-filled bunches. Each, 30c; 10 for \$1.85.

Strawberry Plants

Prices subject to plants being available.

DUNLAP. Mid-season. One of the best known and most widely grown strawberries in the north and eastern half of the United States. 25 for 50c; 100, \$1.00; 250 for \$2.25.

BEAVER. Very similar to Dunlap. Is a good drought resister. Berries are dark red, firm, and of exceptionally fine flavor. 25 for 50c; 100 for \$1.25; 250 for \$2.50.

WAYZATA. (Everbearing.) A hardy disease and frost-resistant variety. Starts bearing about August 1st. Fruit equal to the best June berries. 25 for \$1.25; 100 for \$3.75; 250 for \$8.00.

Boysenberry

It is a cross of the raspberry, blackberry and loganberry; berries almost seedless, sweet and of finest flavor and about two inches long. Make wonderful jelly, jam and pies. Train to stakes like grape vines. Lay canes down and cover with straw in the fall for winter protection. Plants, each, 20c; doz., 95c; 25 for \$1.75.

STRAWBERRY-RASPBERRY PLANT

This is a cross between the strawberry and raspberry, resembling both in many points. In size and color it is like the strawberry, growing on dwarf plants. It produces an abundance of fruit which is fine for jelly, jams, etc. Fruit should not be picked until thoroughly ripe. Each, 20c; doz., \$1.50.

Grape Vines

AGAWAM. A large, dark red grape; pulp soft and sweet. Ripens early. Each, 40c; 10 for \$3.50.

BETA. Hardy and most widely grown in the Northwest. An excellent juice grape. Ripens early September. Each, 25c; 10 for \$1.75.

CAMPBELL'S EARLY. Hardy, vigorous and profuse bearer of large grapes of light purple, rich and sweet. Each, 40c; 10 for \$3.50.

CONCORD. The most satisfactory of the tender grapes for Minnesota conditions. A vigorous grower and heavy producer. Each, 25c; 10 for \$1.75.

MOORE'S EARLY. Similar to Concord but ripens about two weeks earlier. Each, 40c; 10 for \$3.50.

NIAGARA. The standard white grape. Semi-hardy in Minnesota. Each, 40c; 10 for \$3.50.

ASPARAGUS ROOTS

In preparing the bed for asparagus roots the soil should be worked up at least 12 inches deep and a very heavy application of well-rotted manure or commercial fertilizer should be given. Make furrows ten inches deep and spread roots 18 inches apart in row and cover with two inches of soil gradually filling as shoots appear until surface is level. Do not cut any later than June 20th until the third or fourth year.

1 yr. old. Doz., 50c; 25, 85c; 100, \$2.25; 1,000, \$13.75.
2 yr. old. Doz., 60c; 25, \$1.00; 100, \$2.75; 1,000, \$16.00.

Postage 10c for first doz.; 5c for each additional doz.

FIELD SEEDS

FIELD SEED PRICES

Owing to the uncertainty of prices at the time of printing this catalogue, no prices are quoted on Field Seeds in this book but will be given on Special Field Seed Price Lists issued during the season.

See Yellow list enclosed with catalogue.

ALFALFA

Selection of Alfalfa Seed Is Most Important.

Poor seed is a primary and great cause of a poor stand. In buying Alfalfa Seed the highest priced seed is often the cheapest. The loss is much greater in using seed of poor quality, than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

Inoculation is necessary. Inoculation means putting or planting in the soil, nitrogen-fixing germs or bacteria without which the alfalfa will flourish—in spite of soil having had previously, inoculated crops.

Gould's Reliable Grimm Alfalfa

Grimm is undoubtedly the variety best adapted to our Northwestern climate. Grimm Alfalfa has the hardiness to withstand our northern winters, and is recommended by leading authorities and experiment stations as being the one to plant. Although the cost of the seed is generally much higher than that of ordinary Alfalfa, we consider it the cheapest in the end. See our Special Field Seed price list for prices.

Minn. Variegated Alfalfa

This Alfalfa, which is grown in Minnesota, is a very fine strain of Alfalfa and can be grown with absolute certainty of its being hardy and sure to produce an abundant crop the second year from planting. Prices are listed on Special Yellow price list.

CLOVER SEED

Medium Red Clover

This is the recognized standard of the clover family. It produces two crops each year. The first is generally harvested for hay when in full bloom. The second crop may be harvested for seed, cut for hay, or plowed under for fertilizer. Refer to Special list for prices.

Alsike or Swedish Clover

One of the hardest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine stemmed and leafy and quickly cured. It makes a very profitable seed crop in many sections of the Northwest. See Special price list for prices.

Mammoth Red Clover

This variety is grown mostly for pasture and for soil-ing. It is a very vigorous grower, but is not desirable for hay unless cut when quite young. Prices quoted on Special price list.

White or Dutch Clover

A low close growing clover, with round white heads. Very fragrant and desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. Prices given on Special list.

Sweet Clover (Tall)

This variety makes the most abundant growth of any of the clovers. Because of its dense growth and enormous root system, it is a very valuable soil improving crop. While it is a biennial and normally only grows for two years it will generally reseed itself if allowed to grow to maturity. Ohio Extension Bulletin No. 55 says that an acre of sweet clover will add as much nitrogen to the soil as 20 tons of manure. See Special Field Seed price list for prices.

Sweet Clover, Yellow Blossom

This variety grows finer and more spreading than the white and is not so tall. It matures more quickly than the White Clover and for a second season the hay crop is probably preferable to White Sweet Clover because of its finer stems. Refer to Yellow price list for prices.

REED CANARY GRASS

An excellent, hardy, perennial grass especially adapted to low lands where other grasses will not thrive. Will produce two crops a year after the first year. The hay is as good as Timothy and is relished by horses and cattle. Sow 4 to 6 pounds to the acre broadcast or 2 to 3 pounds with drill. See Yellow list for prices.

GRASSES

Kentucky Blue Grass

Will outlive any other grasses for pasture or lawn, but should not be cut or pastured too closely in extremely hot, dry weather. The seed is very slow in germinating, therefore, it is advisable to plant with other varieties of quicker growing habits. Makes a sweet and nutritious pasture for all stock. See Special list for prices.

Rye Grass

Is a very quick growing grass and for that reason makes an excellent pasture. It thrives on rich, moist land, where from three to four cuttings may be made in a season. Grows very quickly and will stand close pasturage. See Special Field Seed price list for prices.

Red Top

As a hay crop Red Top is next to Timothy in importance. It will do the best on rather moist soil, but will thrive on most any soil. It is a good variety to sow with Timothy or Clover for meadow or pasture, and is more permanent than either of the other two. Prices quoted on Special Yellow price list.

Crested Wheat Grass

Recommended highly by farm authorities as being one of the most drought-resistant grasses. Grows fast in cool weather, but is more or less dormant in extreme hot weather. When used for pasture, no amount of abuse seems to stop its growth. For hay and pasture, compares favorably with Bromus Inermis. Sow at rate of 12 lbs. to the acre. See Yellow list for prices.

Meadow Fescue

Especially suited for pasture and is also fine for hay. Succeeds even in poor soil and will endure severe freezing. The hay is very nutritious and cattle thrive on it. Prices quoted on Special Field Seed price list.

Orchard Grass

Is an early fibrous rooted perennial. Its rapid growth makes it very desirable for pasture. Withstands droughts better than most grasses. Will thrive in the shade such as in orchards and lanes. When closely cropped it grows up quickly again. See Special list for prices.

Bromus Inermis

This grass is noted for its hardiness and drought resistance. It will grow in any kind of soil and in any kind of weather. Produces an abundant hay crop, and makes an excellent pasture. Brome Grass thickens up rapidly by underground roots or stems. It forms a dense sod six to eight inches thick, binds the soil and preventing it being wind blown. For prices see Yellow list.

Timothy

The principal thing to look at when about to sow Timothy, is the quality of the seed. Our reliable seed is of superior quality. Ten lbs. of good Timothy seed is sufficient for one acre, making an inexpensive crop to seed. Prices given on Special Field Seed price list.

Timothy and Alsike Mixed

For those who prefer to sow Alsike Clover and Timothy together, we have a mixture that has the right proportions for growing a splendid hay crop. See Special Field Seed list for prices.

MILLET

Millet is grown almost exclusively in these northern states for hay only, and we find that southern grown millet seed will produce a much heavier crop of finer hay than that grown from northern seed. We therefore offer only true southern grown seed in our millets.

Early Fortune

One of the proso millets that matures in 50 to 60 days after sowing. Seeds reddish brown, head compact. Sow 25 pounds to the acre. See Special list for prices.

German Millet

The most popular of all millets. Should be cut in full bloom, when it is most tender and sweet. Sow about 35 pounds to the acre. See Special list for prices.

Hungarian Millet

Is favored by some on account of its rapid growth, maturing about a week or ten days earlier than German Millet. Makes excellent hay. Prices listed on Field Seed price list.

Japanese Millet

It grows from five to nine feet in height, and produces enormous crops of fine hay. If sown broadcast, sow fifteen to twenty pounds to the acre; in drills at the rate of ten pounds per acre. It does best on low, moist ground. Refer to Yellow list for prices.

Siberian Millet

Earlier than either German or Hungarian. Very valuable for the North. Is extremely hardy, and drought resistant. Excellent for hay and is not subject to rust. For prices see Special price list.

FLAX

Flax can be sown only about once in six or seven years on the same ground. It is a splendid crop to grow on new breaking, for it not only produces a good paying crop but it also helps to prepare the soil for future crops, leaving ground in a nice mellow condition. Before sowing, it is especially important to have the ground well firmed. Also be sure that there are no open spaces in the bottom of the furrows, as these are likely to cause the roots to rot. Sow 25 to 30 pounds to the acre, as early as possible and yet avoid the last killing spring frost.

Bison Flax

A large seeded wilt and rust resistant variety, developed by the No. 12 Experiment Station. Bison has practically replaced all other older varieties. It will yield on an average, 20 bushels to the acre and some have yielded as high as 30 bushels to the acre. See Yellow list for prices.

RYE

Spring Rye

Makes an excellent crop for sowing where winter grain has been killed off or for soiling. It can also be grown for a grain crop by being seeded early in the spring and harvested in the same season, like wheat or oats. Does not grow quite so large a straw as winter rye, but usually yields well. Sow about 1½ bushels to the acre. Latest prices are given on Special Field Seed list.

Rosen Winter Rye

Has proven itself to be far superior to any other winter rye. It is a heavy yielder with large, well-filled heads and large dark green kernels. The straw is big and strong and will stand the weather better than any other variety. Refer to Yellow list for prices.



INOCULATE
your LEGUMES
with
NITRAGIN

for ALFALFA, CLOVER,
BEANS, COWPEAS, PEAS,
SOYBEANS, LESPEDEZA,
PEANUTS, all LEGUMES

1898 Forty Four Years of Service 1942

**PRICES REDUCED ON PEA, VETCH, LESPEDEZA,
COWPEAS, PEANUTS, and SOYBEAN GROUPS**

BUILD UP YOUR SOIL

Inoculate Your Legumes with NITRAGIN

Inoculate your Legume seeds even though planted on fields that have been inoculated before. Field tests have shown that better crops are harvested when Legume seeds are inoculated even when planted on fields where inoculated seeds of the same Legume crops had grown the previous year.

INOCULATE WITH NITRAGIN

NITRAGIN is an approved, moist humus culture-tested and guaranteed—easy to apply—packed with Billions of fresh legume bacteria. Its high quality makes Nitragin inoculation an excellent crop insurance. Directions on every can.

NITRAGIN INOCULATION PRICES

When Ordering, ALWAYS State Name of Seed

ALFALFA, all CLOVERS

Size	Retail
1/2 bu. ea.....	\$.30
1 bu. ea.....	.50
2 1/2 bu. ea.....	1.00

PEAS (All Varieties) VETCHES (All Varieties)

1/2 bu. ea.....	\$.25
1 bu. ea.....	.35
1 1/2 bu. ea.....	.50
12 1/2 bu. ea.....	3.50

BEANS

String, Wax, Kidney

1/2 bu. ea.....	\$.25
1 bu. ea.....	.35
1 1/2 bu. ea.....	.50

LESPEDEZA Hulled or Unhulled

Size	Retail
Small (Inoculates up to 50 lb. seed)...	\$.35
Large (Inoculates up to 100 lb. seed)...	.50

SOYBEANS, LIMA BEANS, COW PEAS and PEANUTS

Small (Inoculates up to 120 lb. seed)...	\$.30
5 bu. ea.....	.55
25 bu. one can) ea..	2.50
30 bu. (one ctn.) ea.	3.25
(Contains 6-5 bu. cans)	

GARDEN SEED

Garden Peas and Beans
Sweet Peas and Lupines
Enough for 6 lbs. seed
Retail Price 10c each.

NITRAGIN—Oldest and Most Widely Used Inoculant in America

SUDAN GRASS

This popular hay and pasture crop is a native of tropical Africa and therefore it is necessary for the soil to warm up in the Spring before planting the seed. It may be sown as late as July or August but its season will then be quite short. It is usually big enough to pasture when five or six weeks old, or sooner if it gets 12 to 14 inches tall. It grows remarkably well during the hot dry weather of July and August. As a hay crop Sudan should be cut from the time the heads begin to appear until the seeds are in the soft, dough stage. The best hay is from the early cutting. Sudan grass is an annual, lacking underground root stalks. Two cuttings can be obtained under favorable conditions, and may yield from 2 to 5 tons of cured hay per acre. If for hay, sow about 25 to 30 pounds to the acre broadcast. If wanted for silage, sow about 10 pounds to the acre in rows and cultivate the same as corn, or it may be sown with fodder corn if preferred. Sudan, if cultivated, will grow to a height of 8 or 10 feet. See Special Field Seed price list for latest quotations.

WHEAT

Marquis Type Wheat

A hard red spring wheat, beardless with long heads and very stiff straw of medium length. Kernels are short and thick and very plump. Ripens early, ahead of other spring varieties. Outyields nearly all spring wheats. See Field Seed list for prices.

Thatcher Type Wheat

Thatcher is the newest wheat variety introduced by the Minnesota Experiment Station. It is more rust resistant than most other varieties, beardless and is similar to Marquis in appearance, milling and baking qualities. It matures early and is a very heavy yielder. Please refer to Yellow List for prices.

Winter Wheat (Minturki)

The hardest of hard winter wheats, with red beard and strong straw. Originated from a cross between Turkey and Odessa, the crossing being accomplished at the Minnesota Agricultural Experiment Station. It has outyielded other varieties of winter wheat in Minnesota and seems to be particularly adapted to this state. Of good baking quality. Prices are given on yellow field seed price list.

BARLEY

Wisconsin No. 38 (Barbless)

A smooth awned barley developed by the Wisconsin station. Resistant to Barley stripe. Has a large head and plump kernel, and stands the heat and dry weather better than most other varieties. Many yields of 40 to 50 bushels are reported. A fine malting variety. Sow at the rate of two bushels to the acre. See special Yellow list for prices.

OATS

CULTURE. Sow oats at the rate of 2 to 2½ bushels to the acre, very early in the spring on a well prepared field with a heavy grain drill. Deep seeding on heavy clay soil is often fatal to the crop. Two inches is deep enough on a fine, compact seed bed.

Gopher Oats

Gopher is a white, early maturing, stiff strawed variety especially adapted for southern Minnesota conditions. It has shown remarkable yielding ability in central Minnesota and is a good yielder on peat land. Gopher is an extra early variety usually maturing before the hot weather and rust have a chance to affect it seriously. Its extreme earliness, resistance to lodging and rust and fine quality make it one of the most desirable oats for this section. See Special list for prices.

Gould's Selected Swedish Oats

These oats we do not hesitate to place among the best for our northern climate. It is a heavy yielder of large, plump, white kernels. The straw grows quite tall, and does well on medium or light soil. Its habit of growth is so vigorous that on heavy soil it is likely to lodge. See Yellow Field Seed list for prices.

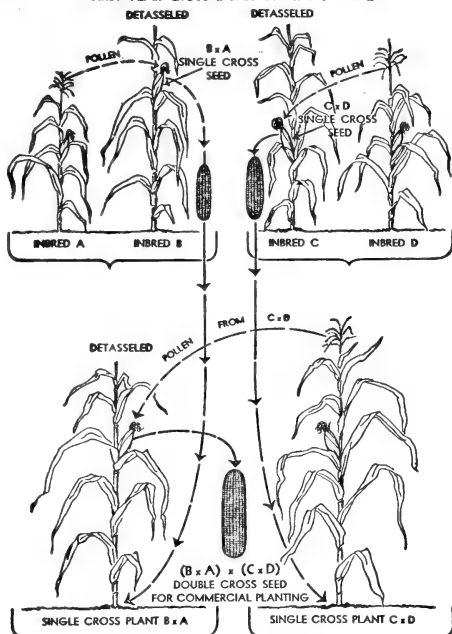
Sixty-Day Oats

Is recognized as being the quickest maturing oats on the market. It is a good yielder and a sure cropper, being very often sown after other crops have failed. It is a small yellow oat that weighs about 40 pounds to the bushel; the hull is very thin. It is so early that it may be harvested with barley, and is three weeks ahead of most other sorts. See Special price list.

N. K. & Co.'s Lincoln Oats

Is another oat that has given very splendid results. Owing to its strong stiff straw it very seldom lodges and may be raised with marked success in very rich soil. Refer to Field Seed list for prices.

FIRST YEAR CROSS INBRED PARENT STRAINS



Method of crossing inbred plants and the resulting single crosses to produce double cross hybrid plants

FIELD PEAS

Are not only profitable as a dry shelled crop, but may also be used for hay, pasture, or soiling with excellent results.

Peas are second only to Clover in their soil enriching properties and can be grown under almost any condition of soil or climate.

Canada Yellow Field Peas

The standard field pea of the Northwest, and needs no description. It is always in demand either as a dry pea for cooking, or for pigeons. Prices given on Special Field Seed price list.

Marrowfat Fancy

Vines grow 4 to 5 feet high bearing long, round pods with 5 to 7 large round peas. Yields abundantly. See Special price list for latest quotations.

Inoculate peas and beans with Nitragin before planting. See page 44 for prices.

SOY BEANS

Soy Beans are one of the most valuable crops one can raise. As a hay crop, Soy Beans are higher in protein content than clover and equal to alfalfa hay. Are excellent for silage grown with corn. Do not plant too early; about corn planting time or later. Inoculate seed with Nitragin before planting. Cover seed lightly. Sow 30 to 45 pounds per acre in drills or broadcast 60 to 90 pounds. Make rows about 30 inches apart to allow for cultivation.

Manchu

This popular variety is especially recommended for the Northwest for hay, dry beans, as well as planting with corn for silage. Beans are yellow of medium size and mature medium early. Yields of beans will average around 25 bushels to the acre. See special Yellow list for prices.

SPELTZ

While not quite equal to oats, it makes a fair horse feed. It yields more than wheat or barley, and even the straw, if cut slightly green has a good amount of feeding value. Prices are given on Special Field Seed price list.

FIELD CORN

Seed Corn is without a doubt the most particular seed crop to be handled of any farm seeds. And it is very important that it receive the care and attention that it should have. Should a man take a chance on planting inferior seed corn and be obliged to replant a second time, his labor would be worth more than the original cost of reliable seed corn.

Hybrid Corn

Hybrid seed corn is a first generation cross between inbred strains. Inbred strains are developed by continual inbreeding of selected plants for several generations over a period of better than 10 years. Yields of hybrid planted seed corn will average from 7 to 11 bushels per acre higher than the regular varieties. Hybrids possess greater resistance to lodging, greater resistance to drought and considerable higher shelling percentages.

Kingscross Hybrid Minn. No. 13, 100 Day Seed Corn
Of the same maturity as the normal variety of Sterling Minnesota No. 13 seed corn and adapted to the same areas. It grows slightly taller than the normal variety and ears are somewhat larger. It has been yielding approximately 10 bushels per acre more than the normal Minnesota No. 13 variety in yield comparisons conducted by the Minnesota Experiment Station in central Minnesota. Prices given on Special Yellow list.

Gould's Reliable Yellow Dent

Gould's Reliable Yellow Dent is an improved strain of Minnesota No. 13, having been selected for several years before it was offered for sale, with the result that it is larger and earlier than the Minnesota No. 13. Prices are given on Special list.

Minnesota No. 13

Is so well known that it is unnecessary to devote any space to its description. It is the standard Yellow Dent for Minnesota, produces a nice uniform ear of fairly good size and maturing about Sept. 1st. See Special Field Seed list for prices.

Yellow Flint

It's a very early 8-rowed Yellow Flint. The stalks grow about 7 ft. high with ears about 11 inches long. This corn is adapted to the Northwest, and is a very heavy yielder. Prices are given on Special Yellow price list.

Gould's Reliable Red Cob Fodder

Is a tall growing southern corn that will produce an abundance of feed per acre. The kernel is white and grows on a red cob, thus deriving its name. Prices given on Special Field Seed price list.

N. K. & Co.'s Elephant Fodder

Of the Yellow Dent type, but grows taller and more leafy than the average Yellow Dent corn, therefore producing a very heavy yield. See Yellow price list for prices.

RAPE

Dwarf Essex

Rape is one of the surest crops for late pasturing. Is relished by hogs, sheep and cattle. It may be sown as late as July 1st, and produce a very fine fall pasture. Prices given on Special Field Seed price list.

SORGHUM

As a soiling crop, sorghum will always prove of great value, since at least two crops can be obtained from one sowing. Milch cows are exceptionally fond of sorghum. It is excellent for milk production and a given acre furnishes a large quantity of succulent food. Sorghum outyields fodder corn, producing a richer and more nutritious feed of greater value. Prices given on Special list.

SUNFLOWER

Mammoth Russian

Are especially useful in the poultry run, as the large leaves furnish shade for young chicks, also, the seeds make a good addition to the poultry ration. They are very rich in oil and protein and are splendid to feed during the moulting and winter months. They are also valuable for hogs. Prices given on Yellow price list.

BUCKWHEAT

Buckwheat can be sown as late as July and still produce a crop, or it may also be plowed under for soiling. Sow 1/2 to 1 bushel per acre as late as possible, and still have crop well developed before severe frosts occur. Light, well-drained soils are best for this crop.

Japanese

Will produce a larger growth and will stand dry weather better than any other variety. The kernel is large, dark brown and matures very early. Refer to Field Seed price list for prices.

INSECTICIDES and FUNGICIDES

Due to War Conditions Prices Subject to Change Without Notice—Quantity Prices Quoted on Yellow Price List.

Adco Weed Killer

A powder that eradicates weeds and does not injure the lawn. 1 lb. covers 100 sq. ft. 3 lbs., \$1.00; 25 lbs., \$4.50.

Ant-Kill

Rid your home of the ant nuisance. Kill the ants in the nest. Price: Junior Set—1 2-oz. syrup and 2 cups, 35c; Cottage Set—3-oz. syrup and 5 cups, 65c; 5-oz. bottles, each, 25c; 2-oz. bottles, each 20c; ½ pint, 50c; pint, 75c; extra cups, each, 10c.

Antrol

Quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special syrup. Price: Antrol Ready-filled Set, containing 4 filled feeders, 40c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup—enough for two fillings, 60c; Antrol Syrup for Refilling, 4-oz. bottle, 20c; pint bottle, 50c. Ant Traps, 10c each.

Antrol Ant Powder. 1 ¼ oz., 10c; 4 ½ oz., 25c.



Aphis Spray

An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphids (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with any kind of water. Price: 3-oz. tube, 35c; 12-oz., \$1.00.

Arsenate of Lead

Recommended for the control of leaf-eating insects on fruit trees, vegetables, flowers, bushes and for killing grubs and earthworms in the lawn. Price: ½ lb., 20c; 1 lb., 35c; 4 lbs., 85c; 24 lbs., \$4.80.

Atlatide

The non-poisonous weed killer. Kills quack grass, poison ivy and all other undesirable vegetation. 15 lbs., \$3.25; 50 lbs., \$6.50; 100 lbs., \$11.75; 200 lbs., \$23.00.

Auxilin

A substance that induces roots to grow quickly on cuttings or "slips." A scientific discovery that works like magic. 1 ½-oz. bottle will treat up to 600 cuttings. Full directions with each order. ¼ oz., 35c; ½ oz., 75c; 3 ½ oz., \$4.00; 8 oz., \$8.00. Add 10c for mailing.

Bait-M

An effective insecticide bait for use against snails, slugs, cutworms, earwigs, sow bugs, grasshoppers, etc. Price: 1 ½ lb., 35c; 4 lbs., 85c; 15 lbs., \$3.00.

Black Flag

An effective spray repellent for flies and mosquitoes; also destroying roaches, waterbugs and ants. Liquid, ¼ pt., 15c; 1 pt., 25c; 1 qt., 39c; 1 gal., \$1.39; 5 gals., \$5.50. Powder, ¼ oz., 10c; 2 ½ oz., 25c; 5 ozs., 49c; 1 lb., \$1.25.

Black Leaf 40

This is a 40% solution of Nicotine Sulphate, valuable for the control of plant lice and other sucking insects. It kills by coming in contact with the body of the insect. 1 oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.50; 2 lbs., \$3.70; 5 lbs., \$6.90; 10 lbs., \$11.65.

Bordeaux Mixture

Prevents and controls blight, rot, mildew, scab, anthracnose and certain other fungus diseases. It stimulates plant growth and almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture. Price: 1 lb., 35c; 4 lbs., 75c.

Calcium Arsenate

The cheapest arsenical insecticide on the market and of great economy and efficiency to combat chewing insects on potatoes, vegetables, etc. Price: 1 lb., 25c; 4 lbs., 50c;

Calcium Chloride (Dow Flakes)

Absorbs moisture from the air and keeps down on paths, driveways, tennis courts, etc. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25; 1,000 lbs., at \$2.75.

Chaperone (Dog Repellent)

Powder: A household dog repellent for keeping dogs off furniture and furniture. Odorless to humans and does not stain, but is repulsive to dogs. ½ oz., 25c; 3 ozs., \$1.00.

Liquid: For outdoor and garden use. Keeps dogs away from trees, shrubs and plants, 4-oz. size, 50c; 12-ozs., \$1.00.

Cinnex 20 (Yellow Oxide of Mercury)

Cinnex 20 is a mercuric oxide seed treatment. The main component is mercuric oxide. This is the safest seed treatment for potatoes known. 1 lb. treats 40-50 bu. Price: 1 lb., 85c; 5 lbs., \$4.00.

Copper Carbonate

An efficient dust for the control of smut on wheat. 5 lbs., 50% strength, \$1.75.

Copper Sulphate (Blue Vitriol)

Is used for making Bordeaux Mixture by dissolving 4 pounds Blue Vitriol and 4 pounds Hydrate or Stone Lime in 50 gallons of water. This will make a 4-4-50 Bordeaux. By using 5 lbs. Blue Vitriol and 5 lbs. lime one can make a 5-5-50 Bordeaux. 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$3.00.

Corrosive Sublimate

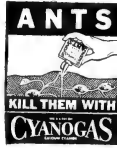
Very effective against seed-borne diseases of potatoes, cabbage, cucumbers, etc., also for the control of root maggot in cabbage, cauliflower, radish and other allied crops. Please ask for price.

Cuprocide (Red Cuprous Oxide)

A powder for treating seeds against damping off and other fungus diseases. 4 ozs., 35c; 1 lb., 90c; 5 lbs., \$4.00.

Cuprocide 54-Y 3-lb., \$1.15; case (16 3-lb. bags), \$15.50.

Yellow Cuprocide. A fungicide spray that is very popular due to its ultra-fine powder particles. Resists rain, will not clog sprayer, is non-corrosive, no messy mixing and contains no lime which injures some crops. 3 lbs., \$1.45; 1 case, 48 lbs., \$20.16.



Cyanogas Ant Killer

Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance of the nest. 4-oz., 30c.

Cyanogas (Calcium Cyanide)

Cyanogas A. Dust. For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Highly recommended for rat control. ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00.

Cyanogas G. Fumigant. Insects which do not yield to stomach poisons as a rule can be controlled by fumigation and Cyanogas G. is a standard for greenhouse fumigation. Ease of application, high efficiency and low cost have gained for Cyanogas G. Fumigant the endorsement of leading growers all over the world. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00.

Acme Dawg-Gone

Not necessary to place tube in every tree unless standing alone. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tube—25c, 4 for 95c; 1 doz., \$2.75.



Dendrol

An improved miscible oil for Dormant and Delayed Dormant spraying of Fruit and Shade trees and shrubbery. We have an interesting booklet on Dendrol and its uses. 1 qt., 75c; 1 gal., \$1.25; 5 gals., \$4.10.



Dogzoff

Protects your evergreens, trees, plants, birds, lawns from dogs, cats, moles, mice, rabbits, etc. There is nothing offensive to humans about Dogzoff. Price, 60c.

Dutox

Can be used as a spray or dust for the control of the potato beetle, cucumber beetle, bean beetle, etc. 1 lb., 30c; 6 lbs., \$1.25.

Emo

A summer oil spray recommended as a contact spray in the control of white flies, rust mites, blister mites, mealy bugs, and spiders, certain scale, and other insects. Price: 8 oz., 30c; 1 pt., 50c; 1 qt., 70c; 1 gal., \$1.85.

Emo-Nik

Here is a complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Recommended for control of aphids, mealy bugs, red spider thrip, white flies, rust mites, mildew, pine tree scale, certain scale insects, and certain other garden pests. Price: 4 ½ oz., 35c; 1 pt., 65c; 1 qt., 95c; 1 gal., \$2.50.

EVER GREEN Garden Spray

Ever Green Garden Spray is a powerful, odorless, Rottenone-Pyrethrum spray containing soap and a minimum of water. Simple to use. No complicated or confusing instructions. Deadly to many common varieties of both sucking and chewing insects in the home garden—such as aphids (plant lice), leaf tiers, cabbage worms, Mexican bean beetles, and rose slugs. Will not harm the most tender foliage. 1 oz., 35c; 6 oz., \$1.00; 16 ozs., \$2.40; gal., \$12.20.



INSECTICIDES AND FUNGICIDES CONT.



Formicide (Formaldehyde Dust)

A triple strength seed and soil disinfectant used as a control of damping-off also makes seedling plants stronger and healthier. Controls Oat Smut and seed borne diseases of grain. ½ lb. 50c; 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00.

Formaldehyde

Recommended for protection against seed-borne diseases. Will prevent potato scab, oats smut and stinking smut of wheat, also onion smut. 1 lb., 40c; 1 qt., 75c; ½ gal., \$1.35; 1 gal., \$2.50. Ask for price on larger quantities.

Fruitone

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. 2-oz. can, \$1.00; 12-oz. can, \$5.00.

Fungtrogen

Controls mildew, black spots and other fungus diseases on roses and other plants; also stimulates vigorous plant growth. 1 pt., \$1.25; 1 qt., \$2.00; ½ gal., \$3.50.



Gould's 10% Pyrocide Dust

An entirely new type of dust insecticide, so powerful that it controls squash bug. Used by growers of fruits and vegetables universally for controlling aphids, cabbage worms, Mexican bean beetles, cucumber beetles, leaf hopper, leaf ticks and many other chewing and sucking insects. 1 lb., 30c; 10 lbs., \$2.50; 25 lbs., \$4.00.

Gould's Tobacco Dust

Gould's Tobacco Dust may be used in the seed bed to prevent maggots. Especially valuable against root lice on asters and other plants. 1 lb., 20c; 3 lbs., 50c; 5 lbs., 75c; 10 lbs., \$1.25.

Grafting Wax

This Grafting Wax has an even consistency which will give best results for sealing cuts or bruises in fruit and shade trees. ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c; 5 lbs., \$2.25.

Grape Dust

A powder preparation which is very effective in destroying blights. Especially recommended for mildew on roses and grape vines. Preferable applied with duster. 1 lb., 35c; 5 lbs., \$1.25.

Kopper King (A Scientific Bordeaux Spray)

Kopper King is a basic copper sulphate, a fungicide requiring no lime to keep it from burning. Kopper King contains 50% copper, twice as much as ordinary copper sulphate (common bluestone). Can be used either as a liquid spray or combined with a carrier in making a homemade dust. Price: 1 lb., 45c; 4 lbs., \$1.05.

Kopper Queen (Mildew Spray)

A strong liquid copper spray for the control of mildew, leaf spot, and black spot on rose bushes, flowers, and many other kinds of foliage. Stainless, leaves no unsightly residue. Use as a liquid spray replacing Bordeaux Mixture and Sulphur. Price: ½ pint, 35c; pint, 60c; qt., 90c; gal., \$2.25.

Kopper Shield Pruning Paint

A liquid paint for treating trees, etc. ½ pint, 30c; pint, 45c; qt., 75c; gal., \$2.35.

New Lethane 440

An effective spray against red spider and mealy bug, as well as all sucking insects. 1 qt., \$2.00; 1 gal., \$6.00. Lethane Sprayer—1 qt., 75c; 1 gal., \$1.80.

Lime Sulphur Powder

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, blotch, red spider and mite. Price, 1 lb., 35c; 5 lbs., \$1.45; 25 lbs., \$4.00.



Lime-Sulphur, Concentrated Solution

Convenient to use, free from sediment, requires no preparation other than stirring into water. One of the best remedies for San Jose scale. 1 qt., 45c; 1 gal., 90c; 5 gal., \$3.75. Barrel price on application.



London Purple

A favored insecticide for fifty years—now stronger and better than ever. For use on potatoes, sugar beets and many other shrubs and vegetables damaged by leaf-chewing insects. Price: ¼ lb., 15c; 1 lb., 30c; 4 lbs., 50c.

Meo-181, Kills Crab Grass, Weeds

Destroys dandelion, plantain, crab grass, and other common weeds. One spraying does the trick—yet only temporarily browns lawn grass. Complete instructions with every package. 1 gallon treats 200 sq. ft. Qt., 65c; gal., \$1.55; 5 gals., \$7.25.

Mercunol

A simple, effective and economical seed treatment for potatoes. It eliminates danger of planting seed potatoes infected with scab, blackleg and Rhizoctonia. 1 pt., \$1.00.

Multicide (New Improved)

Now contains pyrethrins and rotenone, also new improved spreader. Dilutes readily, even in hard water. Kills aphids, harmless to tenderest plants. 1 gal., \$10.35.

Naphthalene Flakes

Is used for the repelling of such soil pests as: wire worms, maggots, moles, gophers, etc. It can be used without burning or flavoring even the most tender root crops. Highly recommended by bulb growers for protection against thrips, white fly and certain other insects. Crude, 1½ lb., 35c; 5 to 25 lbs., 20c per lb., 25 lbs., and up at 15c per lb. Refined, 1 oz., 10c; 2 oz., 15c; ½ lb., 25c; 1 lb., 35c.

Nico Fume Liquid

A highly refined solution of free nicotine for greenhouse fumigation. 1 lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25.

"Nico-Fume" Pressure Fumigator (Tobacco Powder)

A greenhouse fumigant, effective for destroying aphids, thrips, etc. The one-pound can will fumigate about 25,000 cubic feet—a house 80 to 100 feet long, 25 feet wide, averaging about 10 feet high. 1 lb., 85c; six 1-lb. cans, \$4.00; case of twelve 1-lb. cans, \$7.40. ½ lb., 50c; six ½-lb. cans, \$2.60; case of twelve ½-lb. cans, \$4.45.

No-Crow

Is used to prevent crows, blackbirds, gophers and other rodents from pulling and eating seed corn after planting. ½ pt., 60c.

Paris Green

For combating the potato bug and other chewing insects. Price: ¼ lb., 20c; 1 lb., 55c; 5 lbs., \$2.35; 14 lbs., \$5.40.

P. D. Spray

The best spray for the box elder beetle. Kills mosquitoes, spiders, flies, moths, fleas, ants, bedbugs, roaches. 12 oz., 25c; 1 qt., 60c; ½ gal., \$1.10; 1 gal., \$2.00.

Pomo-Green

A leaf-green sulphur dust containing Arsenate of Lead. A highly effective combined fungicide and insecticide. 1 lb., 50c; with nicotine, 1 lb., 75c.

Pyrox (With Nicotine)

For the control of many chewing and sucking insects, as well as blight and plant diseases. 5-lb. can, \$1.75.

Red Arrow Garden Spray

Non-poisonous pyrethrum spray containing soap. Kills many varieties of both chewing and sucking insects. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$5.00.

Red River Potato Mix

A scientific development combining a new patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker, drives off flea beetle and leafhopper, prevents blight from gaining a foothold, stimulates foliage, making more and better potatoes. Complete control as a dust or spray. Price: 1 lb., 35c; 4 lbs., 85c.



Rodent Repellent

Protects fruit trees and shrubbery from rabbits, mice and other rodents. It will remain effective throughout the winter. Does not injure any tree or shrub. Liquid, 1 qt., \$1.25; 1 gal., \$3.50.

ROOTONE

Reg. U. S. Pat. Off.

A Hormone Powder for Rooting Cuttings

Dip cuttings in Rootone before planting to give faster growth and stronger roots. Easy to use. ½ oz. packet, 25c; 2-oz. jar, \$1.00; 1-lb. can, \$5.00.

ACME
Complete



ROSE SPRAY

Will Not
Discolor
Foliage.

A spray treatment for roses and flowers of all kinds. Eliminates guess work. Made to combat all the three major classifications of blight and insect pest and solve the entire spraying problem. No other spray needed. Complete all-round protection. Surprisingly economical.

No. 3 protects	7 to 12 bushes all season.....	\$0.95
No. 6 protects	15 to 25 bushes all season.....	1.50
No. 24 protects	60 to 100 bushes all season.....	4.00
No. 48 protects	120 to 200 bushes all season.....	6.00
No. 96 protects	240 to 400 bushes all season.....	9.75



Rotenone Garden Guard

Noninjurious to humans yet effective both by contact and as a stomach poison against insects. Especially recommended for use on cabbage, cauliflower, string beans, currants, and sweet corn. Price: 1-lb. sifter carton, 40c; 4 lbs., 75c; 50 lbs., \$7.75.

Rotecide

Both a contact and stomach poison. Kills mealy bug, beetles, thrips, aphids, etc. 1 oz., 35c; 8 ozs., \$1.00; 1 pt., \$1.75; 1 qt., \$3.00; 1 gal., \$8.00.

Dubay Seed Disinfectants

Semenas—for vegetable and flower seeds. Prices: 1/3 oz., 10c; 2 ozs., 40c; 1 lb., \$2.50; 5 lbs., \$11.40; 25 lbs., \$52.50.

Improved Semesan Bel—for seed potatoes. One pound treats 60 to 80 bushels of seed. Prices: 2 ozs., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

New Improved Ceresan Jr.—for field and sweet corn seed. Use two oz. per bu. of seed. Prices: 1 1/2 oz., 15c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50; 100 lbs., \$45.00.

New Improved Ceresan—for wheat, oats and barley. One-half ounce treats one bushel of seed. 4 ozs., 30c; 1 lb., 80c; 5 lbs., \$3.40; 25 lbs., \$15.00; 100 lbs., \$55.00.

Special Semesan—a grass disinfectant for brown patch. 3 ozs., \$1.00; 5 lbs., \$7.50; 25 lbs., \$36.00; 100 lbs., \$135.00.

Nu-Green—for the prevention and control of brown patch in lawn, golf courses, etc. 3 ozs., 35c; 1 lb., \$1.60; 5 lbs., \$6.85; 25 lbs., \$31.25; 100 lbs., \$117.50.

Selocide

A red spider spray for the commercial grower. 1 gal., \$3.50.

Sheps Plant Spray

An improved, non-poisonous spray that kills and controls nearly all garden insects. No soap needed. 1/2 oz., 10c; 1 1/2 oz., 25c; 1/2 pt., 75c; 1 pt., \$1.35; 1 qt., \$2.25.

Slug Shot

Very popular insecticide; harmless to humans, or fruits and vegetables treated. Very effective in destroying cabbage and cauliflower worms, potato bugs and beetles, etc. 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.75.

Snarol (Kills Cutworms and Sow Bugs)

Snarol kills cutworms, sow bugs, grasshoppers, slugs, etc. A ready prepared poison that destroys those pests quickly. 1 1/2 lbs., 35c; 4 lbs., 85c; 15 lbs., \$3.00.

Spray Soap

A fish oil soap effective in destroying many sucking insects. If used with nicotine it greatly increases the value of that spray. Price: 1 lb., 35c; 5 lbs., \$1.50.

Stop—for tree banding

Is a sticky substance used to band trees, shrubs and vines, to prevent insects from crawling up to the foliage. 6 ozs., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.00.

Sulphate of Iron (Weed Killer)

Kills dandelions and weeds. Dilute 1 lb. to 1 1/2 gallons of water. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

Sulphur Dusting, Wettable

An improved dusting sulphur for home use which can also be used as a liquid spray. Recommended to control mildew, leaf spot, black spot and rust on rosebushes, chrysanthemums, snapdragons, carnations, and certain other foliage; also red spiders on evergreen. Price: 2-lb. carton, 30c. In bulk: 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.00.



Tartar Emetic

A highly recommended spray for gladioli thrip. Spray once a week after plants reach 6 inches in height with the following mixture: 8 level tablespoons Tartar Emetic, 1 lb. brown sugar to 5 gal. water. Do not spray open blooms. 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.25.

Terogen

For autumn-winter soil treatment. Will give your roses a better start next year. In successful use for more than twenty years. 1 lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75.

Terro Ant Kill

One of the oldest and best ant killers, in syrup form. Ants disappear over night. 25c and 50 cent sizes.

Terro Roach Killer

Kills roaches and water bugs quickly. 4-oz. can, 35c.

TRANSPLANTONE

Reg. U. S. Pat. Off.

on all kinds of flowering plants, vegetable plants, shrubs, seedlings or trees when planting. Multiplies roots and makes better plants. Effective in hard or soft water. 1/2 oz., 25c; 1 oz., 50c; 3 ozs., \$1.00; 1 lb., \$4.00.

Tree Tanglefoot

A sticky compound, easily applied and is the most effective and economical protection for fruit, shade and ornamental trees against all crawling insects; canker worm, climbing cutworms, ants, etc. 6 ozs., 45c; 1 lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.

"43" for the Tree

Liquid or plastic compounds for use in tree surgery in healing injury or wounds in trees or shrubs. Use Plastic "43" for cavities—Liquid "43" to paint over surface wounds, punctures at sawed off limbs, stable also to coat around bottoms of trees to aid in preventing rabbits, small animals and insects from attacking the tree. Plastic. 1/2 lb., 25c; 1 lb., 45c; 2 1/2 lbs., 75c; 5 lbs., \$1.25; 10 lbs., \$2.00; 50 lbs., \$6.25. Liquid. 1/2 pt., 25c; 1 pt., 45c; 1 qt., 75c; 1/2 gal., \$1.25; 1 gal., \$2.00; 5 gals., \$6.25.

Triad (Kix)

A combination fungicide and contact insecticide for the control of black spot, mildew and insects on roses. 4 oz., 65c; 1/2 pt. \$1.00.

Tri-ogen

An all-purpose spray—controls black spot and mildew, kills all insects including the sucking and leaf-eating types. Also stimulates plant growth. Price, \$1.50, \$4.00.

Vitamin B-1

Is the sensational discovery containing a mysterious something that stimulates plant growth, increases size and number of blooms amazingly, by producing reinvigorated root growth.

Vitamin B-1 Crystalline Powder. 1/10 gram bottle, enough for small garden during an entire season. Price, \$1.00.

Volck

Garden Volck is a Volck-Nicotine combination spray to control aphids, thrips, scale, mealy bug, cyclamen mite, leaf hopper, red spider, white fly, leaf spot, mildew, rust, squash bug, etc. 3 1/2 oz., 35c; 1 pt., \$1.00; 1 qt., \$1.50.

Nursery Volck is the high quality Mineral Oil Spray for general nursery, greenhouse and garden use. 1/2 pt., 35c; 1 qt., 75c; 1 gal., \$2.25; 5 gals., \$9.00.

Weed Killer, Acme

A quick-acting weed killer for destroying weeds and all plant life on driveways, tennis courts, paths, etc. More widely used, however, in spotting out dandelions, plantain and other noxious weeds in the lawn by applying a few drops of undiluted Weed Killer to the crown of the plant. Price: 1 pt., 35c; 1 qt., 55c; 1 gal. \$1.60.

Weed Killer, H. W. K.

Destroys weeds, poison ivy and all vegetation on roadways, paths and tennis courts. Dilute with 40 parts water and apply with sprinkling can. Qt., 50c; gal., \$1.50; 5 gal., \$6.25.

White Hellebore

Especially valuable in controlling worms on ripening fruit as it loses its poisonous effect within a few days after application. 1/4 lb., 35c; 1 lb., 75c.

Zotox—Kills Crab Grass

Zotox, a new liquid Chemical, kills both the plant and seeds of Crab Grass and checks reinfestation. DOES NOT DESTROY LAWN GRASSES and is non-injurious to soil. Proved by 4 years of tests. This new easy method does away with laborious raking and weeding. Simply mix Zotox with water and spray on. A 16-oz. bottle treats 2,000 sq. feet. For "spot" treatment of small patches it goes much farther. Prices: 8-oz. bottle, \$1.00; 16 ozs., \$1.50; 32 ozs., \$2.50; 5 lbs., \$4.50. Ask for free leaflet.



SPRAYERS

Hudson Perfection

High pressure sprayer for spraying small orchards, truck gardens, flowers, shrubbery, shade trees and other foliage. Easily and economically applies whitewash, cold-water paints, wall sizing, etc. Cap. 4 gal. Galv. tank, each, \$7.25. Copper tank, each, \$11.75.

Hudson Junior

Similar to the Perfection except capacity which is 2½ gals. Galv. tank, each, \$5.75. Copper tank, each, \$9.00.

Hudson Climax

Can be used for all classes of work in the truck garden, orchard, poultry house, dairy barn, hog pen, yard, etc. Cap. 3½ gals. Open Top Type. Price: Galv., each, \$6.00.

FUNNEL TOP TYPE.

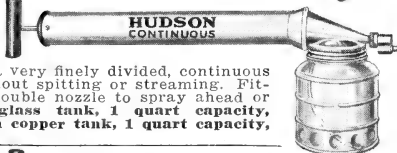
Leader No. 192—Galv. 3½ gal. cap. \$5.00

Leader No. 192—Brass, 3½ gal. cap. \$8.75

Thrifty—Galv. 2½ gal. cap. 3.65



Hudson Continuous Sprayers



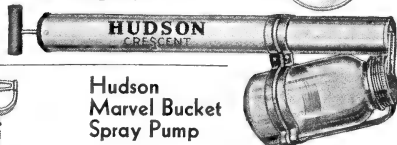
Produces a very finely divided, continuous spray without spitting or streaming. Fitted with double nozzle to spray ahead or up. With glass tank, 1 quart capacity, \$2.00. With copper tank, 1 quart capacity, \$2.00.

The Misty

Cap., one quart. Price, 45c. Postpaid, 55c. Pint size. Each, 35c. Postpaid, 40c.

Cap. one qt. Any qt. Mason jar can be used. Each, 75c. Postpaid, 85c.

The Crescent



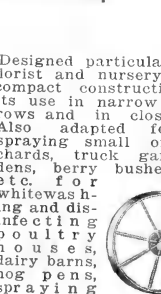
Hudson Marvel Bucket Spray Pump

Adapted for spraying fruit trees and vines, garden truck, ornamental shrubs and hedges, for use with whitewash, cold water paints, disinfectants and insecticides, or in an emergency as a fire pump. Can be used with a bucket or small tank. High foot rest permits use with larger pails. Nozzle discs reversible or removable, producing any type of spray from finest fog to solid stream. Price, \$4.00.

The Hudson Ideal

(Similar to Sunshine, shown below.) A high pressure portable outfit. Maintains working pressure of 200 lbs. A handy outfit for the orchard, truck garden, dairy barn, poultry house or cattle pen. Handles whitewash, coldwater paints, insecticides, stock dips, remedies, etc. Capacity 18 gal. Price, \$20.25.

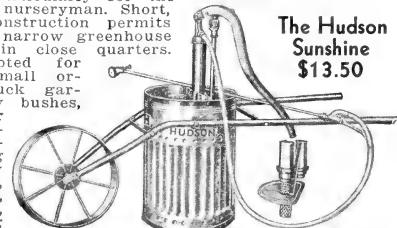
Bucket Pump



Designed particularly for the florist and nurseryman. Short, compact construction permits its use in narrow greenhouse rows and in close quarters. Also adapted for spraying small orchards, truck gardens, berry bushes, etc. for whitewash, painting and disinfecting poultry houses, dairy barns, hog pens, spraying

The Hudson Sunshine

The Hudson Sunshine \$13.50



stock, dips and poultry remedies, treating ornamental shrubbery, flowers and lawns. 12½ gals. capacity.

ARNOLD GARDEN HOSE SPRAYER



The Arnold Garden Hose Sprayer attaches to your garden hose in place of the regular nozzle. Special Soluble Arnold Cartridges for insect and plant disease control fit the cartridge chamber. As water in the hose passes through the chamber, the cartridge is dissolved in sufficient quantity to provide the correct control solution.

Complete Sprayer, chromium finish \$4.00

Combination Set, Sprayer and 6 Cartridges 5.75

Arnold Junior Size, metal chamber 2.75

Arnold Midget Sprayer and one B1 cartridge 1.50

Arnold Special Sprayer, transparent chamber 3.25

36-inch Extension 1.75

Sub-Surface Feeder and Irrigator 1.75

Arnold Cartridges

All listed below, 35 cents each, 12 for \$4.00.

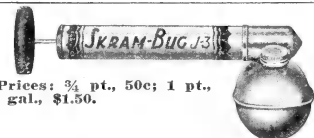
Pyr-O-Spray	Rot-O-Spray	Vitamin-B1
Nic-O-Spray	Arsen-O-Spray	Cleanswell (Auto Wash)
Funguspray	Sulph-O-Spray	
Cop-Ar-Nic	P-R (Pyrethrum-Roteneone)	



Insect-O-Gun

Kill insects with your garden hose. By simply using the water pressure in a garden hose you can now effectively spray your flowers, trees and shrubs with the same efficient results secured by power spraying methods. Applies all insecticides as easily as sprinkling the lawn. Pt. size, \$4.95.

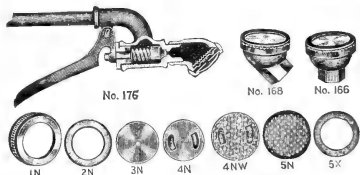
Skram-Bug Sprayer



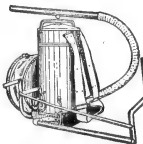
A no-drip sprayer. Prices: ¾ pt., 50c; 1 pt., 65c; 1 qt., \$1.00; ½ gal., \$1.50.

Hudson Sprayer Parts

We carry a complete line of parts and washers.



DRY POWDER DUSTERS



Beauty Dusters

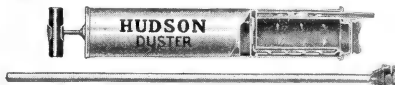
Can throw dust to the top of 25-foot trees. Dusts truck crops, including underside of leaves, at an average walking speed. Does not choke or clog. A most efficient duster.

American Beauty \$25.00
California Beauty 20.00

Hudson Major Duster



The Major handles Paris green, arsenate of lead and similar poisons. With 2—12-inch extensions. Price, 90c.



Hudson Admiral Duster

Particularly effective and economical with such high priced dusts as Rotenone, Pyroclide, Pyrethrum, and Derris. Price, 4½ inch chamber with 24-inch extension, \$1.20; 8-inch chamber with 24-inch extension, \$1.35.



For a Beautiful Lawn and Luxuriant Shrubbery

FEED VIGORO



THE high-quality seed we offer you has all of the fine qualities you desire bred right into the strain. With ordinary cultural care you can duplicate the success of the master gardeners right in your garden. But this must be borne in mind: plants require eleven different food elements from the soil for finest growth. The safe, sure way to make certain that your plants will be properly fed is to feed them with VIGORO. Vigoro is clean, odorless, sanitary, and very economi-

cal to use. Only four pounds are required to feed 100 square feet of lawn or garden area.

Feed Your Lawn Early

Vigoro should be thoroughly soaked into the lawn. But, in early spring, as frost leaves the ground and the grass is still dormant, **watering is not necessary!** Simply spread the Vigoro evenly at the rate of four pounds per 100 square feet of area. It's so easy and it assures the grass extra nourishment when it needs it most. Lawns fed Vigoro will be thicker, which tends to choke out weeds and crab grass. Early feeding has proved most effective. Try it this year.

Let us send you a supply of Vigoro with your seed order.

Vigoro Prices:

100-lb. bag.....	\$4.00	10-lb. pkg.....	85c
50-lb. bag.....	2.50	5-lb. pkg.....	45c
25-lb. bag.....	1.50	1-lb. pkg.....	10c

F. O. B. St. Paul

VIGORO

Complete plant food

FERTILIZERS

When not priced or for larger amounts, see Special Yellow Price List. Prices subject to change without notice.

Agricultural Gypsum or Land Plaster

Is a fertilizer containing calcium and sulphate sulphur. Also used as a dust against the cucumber beetle and squash bug by dusting on and around the plants when infested. 5 lbs., 25c; 25 lbs., 50c; 100 lbs., \$1.20.

Aluminum Sulphate

For making the soil acid, needed for certain plants. Use one lb. to 10 sq. ft. of surface. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c.

Sheep Manure—Pulverized

A quick acting plant food for general use about the lawn, flower beds or garden. For lawns, use 50 pounds per 1,000 square feet. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 95c.

Agricultural Lime

Excellent for sweetening acid soils. 5 lbs., 25c; 25 lbs., 55c; 50 lbs., 75c; 100 lbs., \$1.50.

Hardwood Ashes

Valued because of its high potash content. Has a tendency to drive away insects. 5 lbs., 40c; 25 lbs., 95c; 50 lbs., \$1.65; 100 lbs., \$3.00.

Soot

Used to produce good color in plants, also repels grubs and other soil pests. 5 lbs., 60c; 10 lbs., \$1.00.

Nitrate of Soda

Furnishes nitrogen in a readily available form. Used for forcing and as a stimulant for backward plants and trees.

Sulphate of Ammonia

A valuable fertilizer for all plants in which rapid growth or large leaf development is desired. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 95c; 50 lbs., \$1.75; 100 lbs., \$3.25.

Muriate of Potash 50%

A highly concentrated form of potash of especial value for potatoes, corn, grain and all root crops.

Super Phosphate

(20% or 45%) Often used with manure and an application of 50 pounds of super phosphate per ton of manure gives good results. Straight applications should be made at the rate of 200 to 800 pounds per acre.

Steamed Bone Meal

(2-26-0) An effective fertilizer in gardens and orchards. Popular among greenhouse men for potting and for fertilizing bench stock. Apply 50 pounds per cubic yard for benching, pot plants, etc. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.35.

Raw Bone

(3%-20-0) Raw bone does not break down or decompose as quickly as steamed but it is better for crops not needing quickly available food. It is excellent for rose beds, vines, shrubs and trees. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.65.

Shredded Cattle Manure

A good form of fertilizer where a supply of humus as well as fertilizing elements is needed. Suitable for soil mixing and liquid manure. 5 lbs., 35c; 10 lbs., 55c.

Imported Horticultural Peat

It adds organic matter, improves the texture, conserves moisture and aerates the soil. Prices on request.

Armour's Garden and Lawn Fertilizer

An excellent fertilizer for lawn, flower or vegetable garden, shrubbery, etc. 4% nitrogen, 8% phosphorus and 6% potash. 25 lbs., \$1.25; 50 lbs., \$2.10; 100 lbs., \$3.50.

Armour's Special Florists Mixture

All inorganic and quickly available—5% nitrogen, 15% phosphoric acid, 5% potash. Highly recommended for all types of plants either under glass or outside. Promotes thrifty growth and profuse blossoming.

SPECIAL GOLF COURSE FERTILIZERS

Full information and prices will be gladly furnished on any of the fertilizers we carry.

Vigoro—See Opposite Page.

Swift's Special Tree Food

(12-6-4) Excellent for all types of shade trees and evergreens. For shade trees apply under drip of outside branches at rate of ¼ pound per each foot in height of tree. For evergreens use ½ pound per foot in height of tree.

Swift's Special Golf Fertilizer

A complete grass plant food—12% nitrogen, 6% phosphoric acid, 4% potash. This product is especially prepared for turf production. For greens mix 5 to 8 pounds with compost applied per 1,000 square feet and drench in.

Blood Meal

13½% organic nitrogen. Readily available, finely ground. Use under glass where quick response is desired. 2 lbs. to 4 lbs. per 100 square feet. 5 lbs., 85c; 10 lbs., \$1.50.

Hoof Meal

14% organic nitrogen. Slowly available. Use under glass. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

Leaf Mold

Used in preparing soil for seedlings and for potting, also a soil conditioner. Price, 65c per bushel basket.

Urea

(46-0-0) Very quickly available. Usually applied in liquid form. Dissolve 4 oz. in 50 gal. of water. 5 lbs., \$1.00; 10 lbs., \$1.75.

Rose Grower Bone Meal

3¼% nitrogen and 22% total phosphoric acid. Has same strength as raw bone meal but is more quickly available. 5 lbs., 60c; 10 lbs., \$1.00.

Sulphate of Potash. 48%

Same use as muriate of potash.

Gro-Lux

A soluble concentrated lawn fertilizer—easily sprayed on your lawn with a Gro-Lux Liquefier, without danger of burning. 5 lbs. of Gro-Lux covers up to 2,500 sq. ft. of lawn. 5 lbs. Gro-Lux, \$2.00; Liquefier, \$1.00.

Adco (Makes artificial manure)

Adco is a powder which when mixed with dry leaves or almost any non-woody vegetable waste and kept moist, converts the mass into artificial manure—equal to the farmyard product, but free from foul odor. 7½ lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.50; 100 lbs., \$8.00.

Poultry Manure

It is pulverized and easily soluble, readily absorbed. The analysis is 6-2½-14. Use poultry manure in the garden, for lawns, shrubbery, etc. 5 lbs., 40c; 25 lbs., \$1.25; 100 lbs., \$3.50.

Pulverized Limestone

Sweetens, also improves the texture of the soil and liberates nitrogen and other plant foods, and stimulates bacterial action. 5 lbs., 30c; 10 lbs., 45c; 25 lbs., 55c; 100 lbs., \$1.00.

Nutria Peat Moss

Nutria peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Nutria peat moss will hold 15 times its weight in moisture, thus soil does not dry out as quickly and needs less watering. Makes an excellent top dressing for new or old lawns. Peat is also valuable to use in the garden to give the soil that mellow texture and prevent crusting. Is almost as cheap as ordinary black earth. Large bag, \$1.25; 2 bags, \$2.25; 1 cubic yard load, \$3.50; 2 cubic yard load (equal to 20 bags), \$5.00, delivered in St. Paul.

for a BEAUTIFUL, LUXURIANT LAWN . . .

USE WHAT THE GOLF CLUBS USE

MILORGANITE Fertilizer

Golf clubs use more Milorganite than any other fertilizer—because it is the ideal turf fertilizer also excellent for shrubs, trees, and gardens. This scientifically prepared, natural plant food is rich in long-lasting organic nitrogen—which is the most important element needed for healthy plant growth. In addition, Milorganite contains more than 15 other valuable elements essential to plant vigor and health. Only one application in spring and fall necessary. Not burning, long-lasting, clean—easy to apply. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.20; 50 lbs., \$1.90; 100 lbs., \$3.00.



Plant Food for indoor plants and window boxes



Plantabbs—with Vitamin B-1

The sensationally new plant food in tablet form, containing the newly discovered element B1, for plants and flowers, both indoors and gardens. Produces amazing results. 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1,000 tablets, \$3.50.

Stim-U-Plant Tablets

A fertilizer in tablet form for house plants and flowers. Convenient to use, clean and odorless. Full directions on each package. Special trial size 10c; 30-tablet size, 25c; 100 tablets, 75c; 1,000 tablets, \$3.50, postpaid.

Vigoro Tablets

Concentrated—Plant Food, especially adapted for house plants and window boxes. 24-tablets, 10c; postpaid, 15c.

RODENT DESTROYERS

Macabee Gopher Trap

This is the most successful Gopher Trap ever offered. It is simple and easy to set, and a sure catch. Each, 35c; doz., \$3.50.

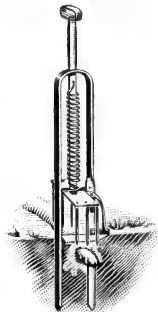
Reddick and Little Giant Mole Traps

No mole can pass under these traps and live. Golf courses, cemeteries, parks, beautiful lawns, gardens and farms are all prey to this past master of the art of excavation.

Reddick Mole Trap. Each, \$1.50.
Little Giant Mole Trap. Each, \$1.25.

Schroeter Mole Trap

The Schroeter Improved Mole Trap is designed particularly for trapping Ground Moles. One of the very best and successful mole traps made today. \$2.50, postpaid.

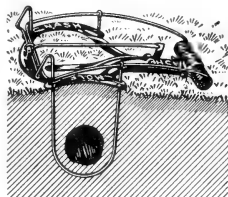


The Nash Mole Trap

Recommended by U. S. Biological Survey, catches the mole in all kinds of ground when properly set. Clods or stones cannot prevent perfect operation. This trap catches the mole when it comes from either direction. If properly set, you cannot fail with the Nash Mole Trap. \$1.75, postpaid.

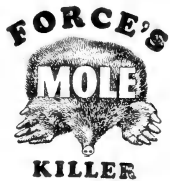
Sweeney's Poison Wheat

Sure death to rats, mice, moles and gophers. Price, 15c, 30c, and 60c, carton.



Nash Mole Trap.

Force's Mole Killer Pellets will destroy the pests. Compounded from foods the moles naturally eat and containing a poison that is deadly to them, these pellets reach the pests right where they live—in the ground. And that's where they die. Although one application may be sufficient, more drastic measures may be necessary when the runways are extensively interlaced. 35-pellet size, 25c; 75-pellet size, 50c; 185-pellet size, \$1.00; 875-pellet size, \$3.25.



Gopher Death



squirrels, etc. Price, 75c.

A poison in tablet form—easy to use. "Gopher Death" is made of food the rodents love and seek and the poison is so carefully concealed in the tablets they do not detect it. Kills pocket gophers, ground

Cyanogas (Calcium Cyanide)

Cyanogas A. Dust. For ants, moles, rats, gophers. Grade application and high efficiency. Highly recommended for rat control. 4 oz., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

Dead Sure Rodent Destroyer

A poison gas cartridge that kills gophers, squirrels, moles, rats or any animal that burrows in the ground. 60c a doz., \$6.50 a gross.

Gould's Minnesota Gopher Poison

A pocket gopher poison put up according to the formula recommended by the University of Minnesota. If you are troubled with pocket gophers try this proven remedy. Price, 50c.

Rat-Bombs

Relatively harmless to humans and domestic animals, yet very effective in killing rats. 15c and 50c sizes. Postage 10c extra.

K-R-O (Kills Rats Only)

This wonderful exterminator, K-R-O, will rid your premises without endangering your pets, livestock, poultry, etc. Is harmless to animals other than rats and mice. Price 75c. Ready mixed bait, small size, 35c; 22 oz., \$1.00.

Mouse and Rat Seed

A seed treated with a chemical, that due to its peculiar flavor the mice or rats eat in preference to anything else. As soon as they eat the kernel, they go outside for air and water and die. Has been tested and approved by the Good Housekeeping Institute.

Mouse Seed. 1½-oz. pkg., 25c; 1 lb., \$1.50.

Rat Seed. 1-lb. carton, 50c.

GARDEN & FARM EQUIPMENT

No. 4 Planet Jr. Combination Hill and Drill Seeder. Wheel Hoe, Cultivator and Plow Equipment: 1 garden plow, 3 steel cultivator teeth, 1 pair of hoes, 1 leaf lifter, capacity 2½ quarts. Price, \$20.75. No. 4-D Seeder only. Price, \$16.75. No. 25, same as No. 4, but as a Double and Single Wheel Hoe. Price, \$24.75.

No. 3 Planet Jr. Hill and Drill Seeder

A great favorite among market gardeners. Sows all vegetable seeds in drills, or drops in hills, 4, 6, 8, 12 or 24 inches apart. The hopper holds 3 quarts. Price, \$20.00.

No. 300 Drill Seeder

A seeder for all seeds from the smallest up to lima beans. Growers of peas and beans will appreciate this seeder as it does not break the seed and sows with great regularity. Hopper holds four quarts. Price, \$22.00.

No. 11 Planet Jr. Double and Single Wheel Hoe Combined. Price \$16.00

A wonderful combination of a Double and Single Wheel Hoe with a variety of cultivations that take care of every kind of cultivation in the home or market garden.



No. 12 Double and Single Wheel Hoe

Has No. 11 equipment except 4½-in. hoes and rakes. Price, \$12.75.

No. 13 Double and Single Wheel Hoe

A great favorite among onion growers. Equipment: One pair of 6-inch hoes, the most useful attachments. Other attachments can be added at any time. Price, \$9.75.

No. 16 Planet Jr. Single Wheel Hoe

Lighter than a Double Wheel Hoe and almost as useful to those who prefer a light tool. The variety of attachments will handle practically any cultivating, hilling, furrowing, etc., in the garden.

Equipment: One pair of 6-inch hoes, 3 steel cultivator teeth, garden plow, one 3-tooth and one 5-tooth rake, 1 leaf lifter. Price, \$9.75.

No. 17 Single Wheel Hoe. Same as the No. 16, less the rakes and leaf lifter. Price, \$8.50.

No. 17½ Single Wheel Hoe. Same as the No. 17 less the plow. Price, \$7.50.

No. 17



No. 18 Single Wheel Hoe. Equipped with 1 pair of 6-inch hoes only, the most useful attachments. Other attachments can be added whenever desired. Price, \$6.50.

No. 82 Planet Jr. Horse Hoe and Cultivator

The No. 82 is a 7-tooth machine with reversible side standards, which can be turned any angle desired, insuring fine and thorough cultivation. Is valuable for hoeing, hilling, or thorough cultivating. Price, \$16.75.



Planet Jr. Garden Plow and Cultivator

No. 119

\$4.25

Equipment:

1-1/4 in. Cult. Tooth.

Large Garden Plow, Combination 2 Cult. Teeth and V-shaped Suffle Hoe, and Wrench.

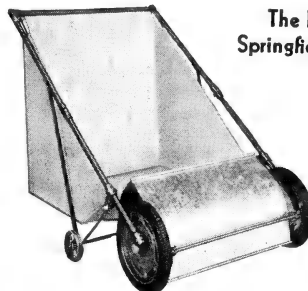
The No. 119 is sturdily built, with a 24-inch wheel. It is an easy running tool for any garden work, and especially where such crops as potatoes, corn, field beans or anything in wide rows must be cultivated by hand rather than with a horse. Ten times as fast as a hand hoe. Price, complete, \$4.25.

LAWN, GOLF COURSE AND CEMETERY EQUIPMENT

In keeping with our established reputation of 44 years of handling the very best grade of seed and other garden products, we aim to carry only worth-while lawn and golf course equipment. Detailed information regarding any of the listed lawn or golf course equipment will be gladly sent by return mail. If you would like a demonstration of our power lawn mowers, sprinklers, or other equipment, please let us hear from you. It will be arranged for your convenience and will place you under no obligations whatsoever.

Golf Course Equipment

We carry a full line of the following golf course equipment: Flags in several colors. Flag poles both steel and wood. Hole cutters. Putting cups. Cup setters. Ball washers and repair parts for same. Please write for prices if interested.



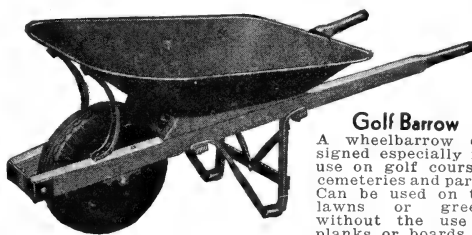
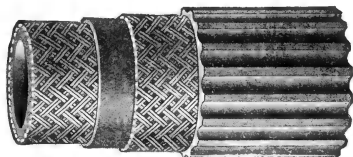
The New Improved Springfield Lawn Sweeper

The Springfield Lawn Sweeper gently lifts and collects paper, leaves, sticks, stones, and fresh cut or dead grass without harm to the growing grass. It lifts low-growing crab grass and other spreading weeds, so the lawn mower can cut off the seed pods before they ripen. Removes quantities of foul weed seeds that would otherwise germinate in your lawn. The suction created by the six revolving brushes, cleans the lawn of weed seeds the same as a vacuum cleaner removes the dirt from a carpet.

20-inch Junior; metal bottom; Slip-on Rubber tire...\$22.50
22-inch A. F.; metal bottom; rubber wheel..... 36.00
28-inch A. D.; metal bottom; rubber wheel..... 50.00

Lawn Hose

We have a large assortment of Lawn Hose in many grades and popular prices. See our stock before you buy.



Golf Barrow

A wheelbarrow designed especially for use on golf courses, cemeteries and parks. Can be used on the lawns or greens without the use of planks or boards.

With ball-bearing pneumatic tired wheel.....\$21.40

Steel Tray Barrow

A light steel wheelbarrow with a tray that will hold a REAL LOAD, and at a price no higher than you pay for a common wood tray barrow. Legs and braces of steel. Steel wheel. Weight, 45 pounds. Price, \$6.50.

Wood Tray Garden Barrow

Designed to meet the demand for a low priced garden barrow. Inside measurement of box, 17x27 inches, 11 inches deep. With 18-inch steel wheel, \$7.00.



Hotkaps

Help you grow earlier, harder vegetables, flowers. Hotkaps — strong little hothouses, storms, insects.

as—protect plants from destructive frost, University tests prove Hotkaps increase yield 18% to 51% nearly double early marketable yield, ripen crops 3 weeks earlier for highest prices. Quick, easy to set. 100 million used. Premium profits pay for them many times over.

25 Hotkaps with setter.....\$0.50
100 with setter and tamper..... 2.85
250 with setter and tamper..... 4.25
1000 Hotkaps11.00

Postage extra. Ask for free booklet.



Cyclone Seed Sower

The Cyclone can be used for sowing clover, timothy, alfalfa, lespedeza, Sudan grass, grass but has a fertilizing effect. Price, \$2.98 with 1 lb. of seed is sown broadcast. Price, \$2.50.

The Horn Seed Sower

Will sow all smooth seeds like alfalfa, clover, timothy, lespedeza, etc., any desired amount per acre. Easily operated. Price, \$1.10.

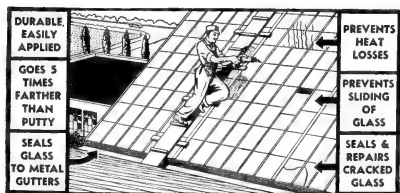


Rubber Bands

For bunching vegetables. Several kinds and sizes. Please ask for prices.

Olsen Dandelion Destroyer

This machine not only kills dandelions but other weeds by simply inserting the point into the center of the plant and pressing down. The powder discharged will not kill grass but has a fertilizing effect. Price, \$2.98 with 1 lb. of powder. Powder, 2 lbs., 98c; 5 lbs., \$1.60; 10 lbs., \$3.00.



Rozak Sealing Compound For Greenhouses

For sealing glass and repairing air or water leaks in the greenhouse. Pt., \$1.00; qt., \$1.75; gal., \$5.25.

Caulking and Glazing Gun Prices, \$3.00 to \$5.00 each.

Hotbed and Greenhouse Putty

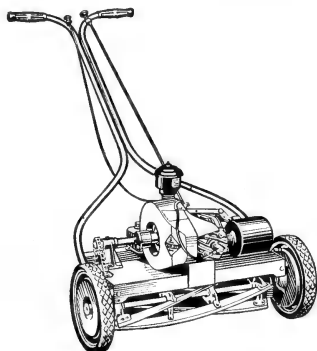
\$1.55 to \$3.00 per gallon; 5 gallons \$7.25 to \$14.50.

Peerless Glazing Points 1,000 to the box at 85c.

JACOBSEN POWER MOWERS

PRICES ON OTHER MODELS FURNISHED ON REQUEST.

A mower for every purpose. Demonstrations to prospective buyers. Illustrated and descriptive catalog on request.



LAWN QUEEN

20-Inch
Cutting Width

\$100.00

F. O. B. St. Paul.

For homes with moderate size lawn areas, where time-saving and labor-saving is a factor in assuring continuous fine appearance, the Lawn Queen is the answer to beauty and smart maintenance. Easily operated by almost any member of the family. The Lawn Queen is exceptionally simple to start, easy to manipulate and amply powered to handle any lawn-cutting requirements.

SERVICE DEPARTMENT.

Our service department is thoroughly equipped to give prompt and efficient service. We repair, sharpen or adjust any Model power or hand Mower.



LAWN KING

20-Inch
Cutting Width
\$197.00

24-Inch
Cutting Width
\$217.00

F. O. B. St. Paul.

The Lawn King meets the demand for a small quality-built power mower at a low price. It is ideal for suburban homes, small parks, cemeteries and estates. Its light weight and compactness permit its speedy, handy operation among trees, on hillsides or terraces and other hard-to-get-at places. The Lawn King has the strength and stamina to insure long, repair-free service—and the capacity to get a lot of work done quickly. It is so simple in construction that any high school boy can operate it.

The New Jacobsen Power Driven Roller

Now you can give your turf the frequent rolling it needs to keep it smooth and healthy—quickly—easily—inexpensively. It's no task at all with the new Jacobsen Power Roller. The powerful motor drives the steel-plated roller over the lawn or tennis court in a fraction of hand-rolling time.

One man with the Jacobsen Power Roller will roll a green in just half the time required by two men with the hand roller. Price, \$117.00.

The 4-ACRE



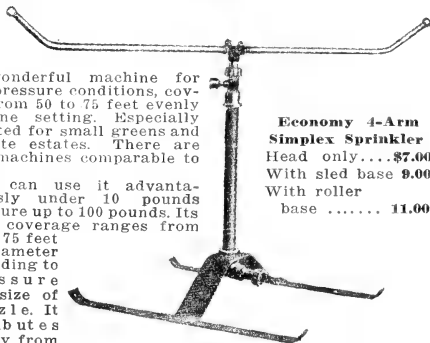
24-Inch
Cutting Width
\$318.50

30-Inch
Cutting Width
\$343.50

F. O. B. St. Paul

The built-in features make the 4-Acre a standard of power motor performance and economy in the heavy-duty class. All gear enclosed drive, automotive type differential, and separate reel and traction clutches give operator easy and positive control under all ground conditions. Riding sulky also available.

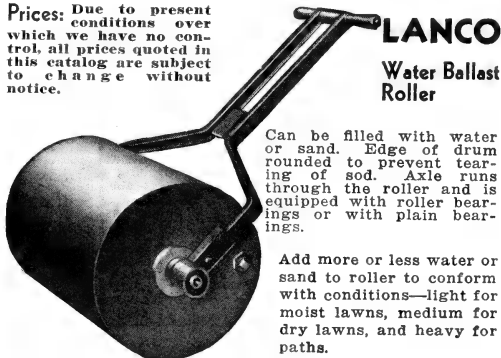
Economy 4-Arm Simplex Sprinkler



**Economy 4-Arm
Simplex Sprinkler**
Head only... **\$7.00**
With sled base **9.00**
With roller
base **11.00**

A wonderful machine for low pressure conditions, covers from 50 to 75 feet evenly at one setting. Especially adapted for small greens and private estates. There are few machines comparable to it. You can use it advantageously under 10 pounds pressure up to 100 pounds. Its even coverage ranges from 50 to 75 feet in diameter according to pressure and size of nozzle. It distributes evenly from 10 to 15 gallons per minute, according to pressure and nozzle used.

Prices: Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.



LANCO Water Ballast Roller

Can be filled with water or sand. Edge of drum rounded to prevent tearing of sod. Axle runs through the roller and is equipped with roller bearings or with plain bearings.

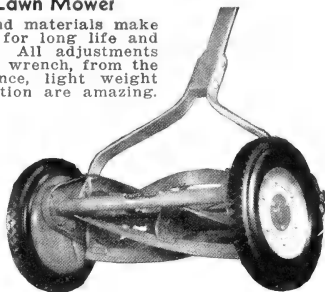
Add more or less water or sand to roller to conform with conditions—light for moist lawns, medium for dry lawns, and heavy for paths.

Size	Price with plain bearing	Price with roller bearing	Weight empty	Filled with water
14x24	\$12.00	\$14.00	52 lbs.	175 lbs.
18x24	14.00	16.00	70 lbs.	275 lbs.
24x24	19.00	21.00	105 lbs.	465 lbs.
24x32	21.00	23.00	115 lbs.	610 lbs.

Silent Yard-Man Lawn Mower

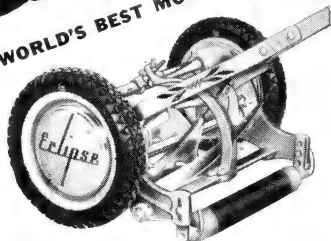
Its construction and materials make it rugged enough for long life and strenuous service. All adjustments are made with one wrench, from the outside. The silence, light weight and ease of operation are amazing. In ordinary use, one oiling a season is all the Silent Yard-man requires. All mowers are 5 blade.

14 inch	....	\$16.45
16 inch	....	16.95
18 inch	....	17.95
21 inch	....	20.95



Eclipse

WORLD'S BEST MOWERS



Eclipse is an outstanding quality lawn mower modernized to the minute with new money-saving features. They are light, easy running and sure cutting to make your lawn cutting a pleasure.

*Automatic Self-Sharpening

*Finger-Tip Adjustment

Model	16 ins.	18 ins.
DeLux "L," steel handle, rubber tires...	\$21.00	\$22.50
Zephyr DeLux steel handle, rubber tires.	16.50	17.50
Vogue, steel handles, semi-pneumatic tires	15.00	16.00
Bent Grass, 7 blade, semi-pneumatic tires, natural grip handle.....	18.00	
Lady 4B-Standard 8-in. wheels; 15 in.	\$6.50	

The Jacobsen Easy Running, Silent—All-Steel Lawn Mower

Here is an outstanding mower for better, cleaner, quicker and more dependable cutting of your lawn. Its quiet operation, perfectly clean shearing, light weight and easy handling have won it acclaim as the smoothest running mower ever made. Its super-steel construction throughout assures lasting accuracy and long life. It's practical economy to buy a Jacobsen.



14-inch Hand Mower.....	\$19.00
16-inch Hand Mower.....	\$19.50
18-inch Hand Mower.....	20.25
20-inch Hand Mower.....	22.00

Twine

Blinder twine in 8-pound balls. Cotton twine in 4, 6 and 12-ply balls and cones at market prices.

Gloves

We carry a large assortment of canvas, leather and rubber gloves.

Knives

We carry the finest quality budding, propagating, nursery and pruning knives.

Diamond Lawn Edger and Trimmer

Diamond Lawn Edger and Trimmer is really like one-half of small Lawn Mower, with edging device attached. Allows you to trim all edges close to buildings, trees, etc., quick and clean. Takes the place of grass shears without any stooping. Reel has 4 blades and is 8 inches wide. Price, \$9.00.

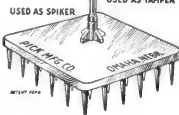
Spike-Tamp

Spiking aerates the soil, improves the drainage, and cultivates the roots. Grass seed planted should always be tamped. This tool is endorsed and used by U. S. Dept. of Agric., and by many thousands of home owners. Price, \$4.95.



LAWN MOWERS SHARPENED

We sharpen all types of mowers. We pick up, clean, sharpen, oil, adjust properly and deliver. Satisfaction Guaranteed. Call Garfield 5377.

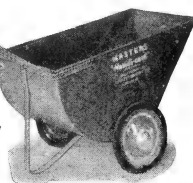


Sod Spiker

For loosening hard packed lawns to allow water, air and fertilizer to penetrate to the grass roots without tearing the surface of the lawn. Makes sod porous. Helps eliminate moss and weeds. Keeps grass roots healthy. Price, \$1.75.



Masters "Handi-Cart"



Replaces the clumsy, awkward wheelbarrow. New and greater convenience for the 101 odd jobs around the home, garden, garage, yard! Just tip it down and rake grass-cuttings, leaves, trash, earth, sand, gravel, or what have you, right into the cart—than tip it back and you have a full load. To load heavy stones, bricks, cement blocks or other heavy objects, just tip front down and you don't have to lift at all. The longer you have it, the more uses you'll find for it. Built extra strong to stand abuse!

No. 1 two cubic ft. capacity.....	\$5.25
No. 1 with oversize tires	6.75
No. 2 three cubic ft. capacity	7.25
No. 2 with oversize tires	8.75

Diamond Hedge and Shrub Trimmer

It will trim vines and hedges four times faster than the old type shears. Made of hard-tempered, rust-proof steel. Price, \$3.00.

Raffia (Natural or Green)

The best tying material for plants. Also used for basket making. **Natural:** 1/2 lb., 45c; 1 lb., 75c; 5 lbs., \$3.25; 10 lbs., \$6.00. **Green:** 1/4 lb., 50c; 1/2 lb., 95c; 1 lb., \$1.75. Postage extra on mail orders.

"Noc-Out" Hand Fertilizer Distributor

Is a new, inexpensive time and labor-saving device for distributing commercial fertilizers; convenient for sowing lawn seed and can be used as a duster for melons, cucumbers and all hill planted crops. Each, \$1.00; postpaid.

Rubber Bulb Sprinkler

The best waterer for seedlings and house plants. Each, \$1.50.

Weatherproof Pencil

Special rain and weatherproof pencil. Each, 10c.

Soil-Rite Watering Gauge

Automatically tells when a plant needs water. Each, 35c. By mail, 45c.

Plantet

Grow plants indoors without soil with Plantet—the easiest and most satisfactory way. Plantet can also be used as a complete fertilizer for plants in soil. 8-oz. size, 75c; with full directions for using.

Bird's Water Proof Paper Flower Pots



These pots are used in transplanting any kind of plants in the greenhouse and hotbeds.

Size	Red Paper Pots				
	Doz.	25	100	500	1000
2 1/4 in....	\$0.20	\$0.35	\$0.95	\$2.85	\$4.75
2 1/2 in....	.20	.35	1.00	3.25	5.25
3 in....	.20	.35	1.10	3.75	6.35
3 1/2 in....	.25	.45	1.35	4.50	7.95
4 in....	.25	.45	1.60	5.25	10.00
5 in....	.35	.60	2.00	7.25	13.75
6 in....	.45	.85	2.75	9.25	18.00

Green Paper Pots

Equal to clay pots in many respects					
Size	Doz.	25	100	500	1000
3 in....	.30	.50	1.35	6.00	10.75
3 1/2 in....	.35	.60	1.75	7.75	14.00
4 in....	.40	.65	1.90	8.50	16.50

Plant Bands

Size	Doz.	25	100	500	1000
2 in....	.18	.30	.75	2.50	4.50
3 in....	.20	.35	1.00	3.25	5.75

Please Add

Postage to

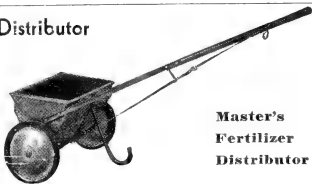
Mail Orders

Clay Pots and Saucers

We carry a complete line of earthenware flower pots and saucers from 2 to 12 inch sizes. None sent by mail.

Master's Fertilizer Distributor

A sturdy, efficient machine for the even distribution of fertilizer or grass seed. Will last for years. You will be greatly pleased with this machine and the splendid work it does.



Master's
Fertilizer
Distributor

Model	Size	Capacity	Price
M-130 Single Disc Wheel....	18 in.	40-50 lbs.	\$11.00
M-241 Double Disc Wheel....	24 in.	65-75 lbs.	16.00
M-241 Cushion Rubber Tires 24 in.	65-75 lbs.	20.00	
M-361 Double Disc Wheel....	36 in.	100-120 lbs.	22.75
M-361 Cushion Rubber Tires 36 in.	100-120 lbs.	26.75	

Vigoro Fertilizer Spreaders

Vigoro Spreaders make quick work of lawn feeding and lawn seeding. They are made in four sizes, all with forced feed, shutoff control on handle and are adjustable for various rates of application.

Model "B", 20 lbs. capacity.....	\$3.25
Junior, rubber tires, 35 lbs. cap., 7.45	
Standard, 65 lbs. capacity.....	15.35
Special, 100 lbs. capacity.....	22.80



Junior
Model
Illustrated



Tri-Con Fertilizer Applier

A modern method for applying commercial fertilizer, in liquid form.

Price, \$3.75.

Waterwand

Full volume delivered without force to the back of your deepest flower bed. 52-in.

length, \$2.75; 35-in., \$2.75; 19-in., \$2.50.

Harco Sprayer

A new, easy-to-use Sprayer at a low price. Simply squeeze the handles and you have just the amount of spray you desire. Any Mason jar can be used. Price, \$2.35.



'TWIST-EMS'

Help You Support Plants Quickly,
Neatly, Permanently.

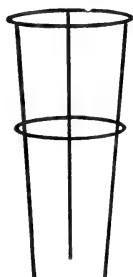


A twist of the wrist and the plant is tied. Twist-ems are dark green strong tapes with wire reinforcing that makes perfect plant ties. No twine or raffia or shears needed. For annuals, perennials, shrubs, vines and vegetables, excellent for arranging flowers. Box of 125 8-in. size, 25c; 250 4-in. size, 25c; 125 16-in. size, 50c.



Garden, Pot and Tree Painted Labels

Copper Wired Tree Labels, 3 1/2 inches.....	Doz.	100	250	1000
Pot Labels, 5 inches.....	\$0.10	\$0.60	\$1.15	\$3.25
Pot Labels, 6 inches.....	.10	.60	1.10	3.00
Pot Labels, 8 inches.....	.10	.60	1.15	3.45
Pot Labels, 10 inches.....	.15	.65	1.35	3.95
Garden Labels, 8 inches.....	.20	1.20	2.25	7.50
Garden Labels, 10 inches.....	.25	1.35	2.60	9.50
Garden Labels, 12 inches.....	.30	1.65	3.50	13.00
Garden Labels, 18 inches.....	.85	5.00	10.00	35.00



Bamboo Plant Stakes

GREEN OR NATURAL

For supporting growing plants such as Gladioli, Delphiniums, Dahlias, Snapdragons, etc., in the garden. Prices below are f. o. b. St. Paul.

Size	Doz.	25	100	500	1000
2 ft.....	20c	35c	\$0.95	\$3.25	\$5.50
3 ft.....	25c	45c	1.20	4.25	7.50
4 ft.....	30c	50c	1.50	6.25	11.50
5 ft.....	35c	60c	1.75	7.00	12.00
6 ft.....	40c	75c	2.25	8.50	16.50

Peony or Plant Support

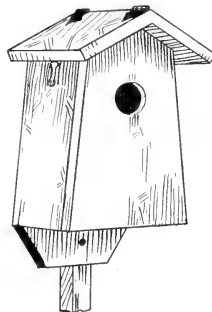
Constructed of heavy galvanized wire to make a rigid support for peonies, delphiniums, tomatoes, etc. Easy to adjust to plant.

14 in. diameter, 30 in. high, 25c each, \$2.50 a doz.
16 in. diameter, 30 in. high, 35c each, \$3.50 a doz.

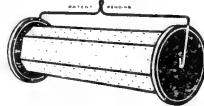
Peony Support

Bird Houses

Put out a bird house or two in your yard. You will be richly repaid for your trouble. The birds each year will become a source of happiness and joy to you with their ever present and cheerful song. Here in the Northwest, song birds begin arriving in March and bird houses should be in place then ready for the birds. Come in and see our large assortment of bird houses.



E-Z FERTILIZER SPREADER



It's fun to fertilize your lawn the new "E-Z" way. Simply fill container with any commercial fertilizer, guide like a vacuum cleaner, and your lawn is covered—quickly, scientifically, uniformly. Dependable construction assures long life for your efficient, economical E-Z Fertilizer Spreader. Price, \$1.25; postpaid \$1.40.

Brandt's All Metal Garden Markers

All holders and tabs are made of non-rusting, non-corrosive metals.

B-200 25c	B-204 1c	B-208 and
B-201 3 1/2c	B-205 1c	B-209 10c
B-202 6c	B-206 2c	B-210 3 1/2c
B-203 5c	B-207 2 1/2c	B-211 3 1/2c

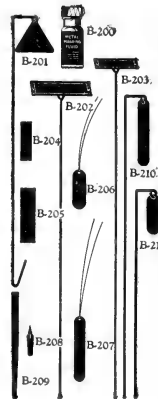
Hanging Baskets

For porch, sun-parlor or indoors. Just the basket for ferns or trailing vines. Attractively finished in harmonizing green enamel.

10-in. diameter. Ea. 25c; prepaid, 35c
12-in. diameter. Ea. 35c; prepaid, 45c

Hanging Basket Hook

An ideal hook for hanging bird cages, hanging baskets, ivy balls, etc., about the home. Each, 20c.



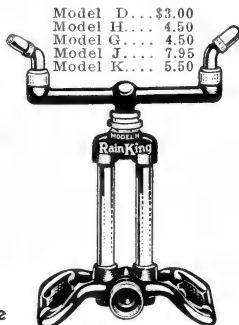
Rain King Lawn Sprinklers

This improved Rain King is easily adjustable for fast or slow or stationary sprinkling. Works on all water pressures.

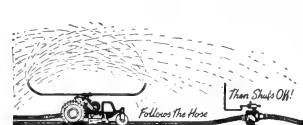


Flaring Rose Hose Nozzle

Distributes water in a soft fan-like spray. Especially valuable for sprinkling new lawns. Price, 60c; postpaid, 70c; with Shut-off, \$1.20, postpaid, \$1.30.



Model D...\$3.00
Model H... 4.50
Model G... 4.50
Model J... 7.95
Model K... 5.50



"Walking" Lawn Sprinkler

"WALKING" LAWN SPRINKLERS are operated by water power. No fuss; simply lay the hose over the course you want to water, place the sprinkler so as to follow back along the hose and turn on the water. THE "WALKING" SPRINKLER will start immediately, pulling the water filled hose back along the course with it. "WALKING" LAWN SPRINKLERS will do your watering job well and economically. Have saved as much as forty per cent on your water bills and had better lawns than ever before. The width of the strip to be watered may be set for a few feet to fifty feet. Free leaflet sent on request.

Model A5-2—Complete with Automatic Shut-off...\$26.85
Model B3—Complete with Automatic Shut-off..... 34.55

Carter Lever-Spray Hose Nozzle

Stream or spray easily regulated by easy pressure of the hand. For lawn or garden, cleaning cars, porches or for any purpose. Price, \$1.25.

Economy Sprinklers

Outstanding sprinklers in several sizes to give the coverage you want. Prices, \$3.75 to \$20.00.

Like ALL NIGHT RAIN

IT REALLY SOAKS THE SOIL

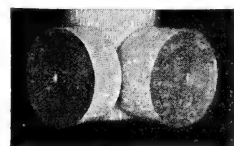


Size	Length	Price
No. 0...	12 ft.	\$1.40
No. 1...	18 ft.	1.90
No. 2...	30 ft.	2.90
No. 3...	50 ft.	4.75

Soil-Soaker

Is made of porous canvas and especially useful for watering terraces, narrow places, flower gardens and hedges. Soil-Soaker screws to the end of water hose, replacing the nozzle or sprinkler. When the water is turned on, Soil-Soaker fills with water—and normal pressure forces water through the pores of the entire surface of Soil-Soaker, uniformly, without spray. Easily moved without shutting off water, or getting wet.

SOIL-SOAKER



Waterproof Tree Wrap

Protects transplanted and newly planted fruit and shade trees against sunscald, frost and cold, also the ravages of rabbits and field mice. Rolls 4 inches wide, about 155 ft. to the roll. Wt. 2½ lbs. Price, 65c.



National Eezy Wear
Garden Gloves

Give you everything you want—

All-Leather DIRT-PROOF Durable
SOFT AS KID Easy to Wear WASHABLE

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for GARAGE, HOUSEWORK, PAINTING, YARD, PURNACE, ETC. Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). A real value at 75 cents a pair, postpaid. (2 prs. \$1.40.)

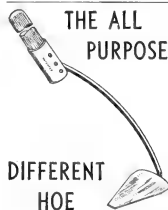


"KNEEZIES" KNEE PADS

Waterproof and Washable

Kneeling among your plants is so much more comfortable with "KNEEZIES" . . . They're bubble-filled rubber; strong, light, flexible, washable and moisture-proof . . . you can work in the garden right after a rain or while the morning dew is still on the grass. Per pair, \$1.10.

Quickly snap on and off your knees.



THE ALL PURPOSE

DIFFERENT
HOE

The All-Purpose Hoe is a new design and permits a more natural and easy motion in cultivating and mulching. Like any other hoe, it works with ease and speed. Permits you to work close to plants without injuring foliage. Weight of The All-Purpose Hoe is only 1½ lbs., which is ideal for women to use around perennials, shrubs or garden crops. Postpaid, \$1.20.



Gardex Bow Rake

High carbon steel. Easy to handle—balanced to rest easily in hand. Price as follows: with 5-foot handle: 12 tooth, \$1.10; 14 tooth, \$1.20; 16 tooth, \$1.30.



Gardex Lawn Sweep

Used broom-fashion all twenty-two fingers touch the ground when it is swept across the lawn, giving full benefit of entire 18-inch width.



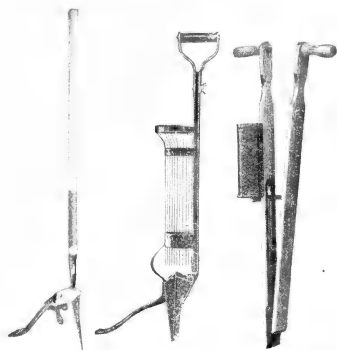
Gardex Shuffle Hoe

A push-type hoe used extensively for cutting weeds in driveways and gardens. The blade is thin, and will always stay sharp. Complete with 5-ft. handle, painted green, polished blade, 7 in. wide, \$1.35.



Gardex Pull Hoe Weeder

With Diamond Point Share. Weeds at least five times faster and easier than old chopping hoe. Penetrates any soil with easy pull, cutting all weeds in its path. You will marvel at its performance. Complete with 5-ft. handle, width, 5 inches, \$1.50.

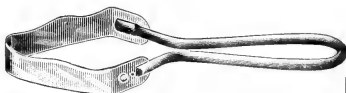


No. 301
Potato
Planter

No. 303
Potato
Planter

No. 306
Corn
Planter

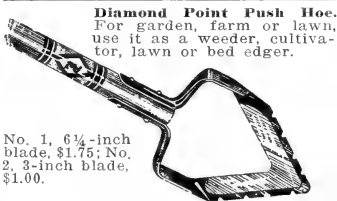
No. 301 Potato Planter. Will plant up to 4 acres a day. Easy to operate in any kind of soil. Each, \$1.25.
No. 303 Potato Planter. Easy to operate, up to 4 acres a day. Each, \$1.75.
No. 306 Corn Planter. Will give years of satisfactory service. Accurate and easy to operate. Each, \$1.25.



Diamond Weeder. A big favorite for weeding vegetable crops. Each, 35c.



Asparagus Knives—Strong and durable. 35c and 50c.



Diamond Point Push Hoe. For garden, farm or lawn, use it as a weeder, cultivator, lawn or bed edger.

No. 1, 6 1/4-inch blade, \$1.75; No. 2, 3-inch blade, \$1.00.



Flat Top Turf Edger—This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. Each, \$1.25



Cultivator—A popular hand cultivator. The spread and number of teeth are adjustable. 5-tooth cultivator, \$1.40. 3-tooth, \$1.25.



Steel Scuffle Hoe — A very practical weeder and mulcher. Each, \$1.20.



Floral Shovel — A light shovel for ladies' or children's use, suitable for planting shrubbery, transplanting potted plants, digging bulbs, etc. Each, \$1.10.



Grass Shears. Prices, 50c to \$1.50.



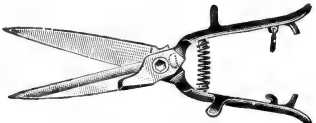
FLOWER SHEAR
for the
GARDEN

SNIPS and GRIPS FLOWERS
CLIPS and HOLDS FRUIT

Cut Flower Shears. As above. Each, 75c; postpaid, 85c.



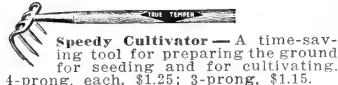
Doo-Klip Grass Shears. Each, \$1.65.
Long Handle Doo-Klip Grass Shears. Ea., \$2.75.



Grass Shears. Blades of best steel. Price, 65c to \$1.75.



Newman "Easy Kut" Hoe — The shallow blade and three sharpened edges of this hoe make it unequalled for mulching and killing weeds. Each, \$1.50.



Speedy Cultivator—A time-saving tool for preparing the ground for seeding and for cultivating. 4-prong, each, \$1.25; 3-prong, \$1.15.



Square Top Hoe—Dirt passes over the corners of this hoe. Very popular with strawberry growers. Each, \$1.45.



Level Head Steel Rake — Forged from one solid piece of steel. Ideal for gardening. Curved, 14-tooth rake. Each, \$1.50.

Round Bow Steel Rake—The best seller in rakes. Slightly curved teeth. 14-tooth rake, \$1.50; 16-tooth rake, \$1.65.



Lon-Groom Lawn Edger

One of the very best. Cuts a clean line along the edge of the walk. Can be used for circling shrubbery, flower beds and tree trunks. Price with wood handle, \$2.49.



Pruning Shears. Made of best tempered steel. Prices, 75c to \$4.25.



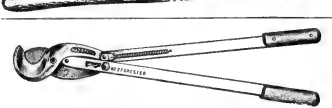
Snap-Cut Pruning Shears. Cuts easier and cleaner. Price, \$1.75 and \$2.25. Add 10c on mail orders.



Hedge Shears. Price, 80c to \$1.00.



Tree and Hedge Pruner. Several sizes and designs. Hard steel. Price, (as illustrated), \$2.00.



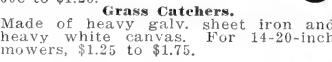
Porter Shrub and Tree Pruner — For light or heavy work. Powerful and rugged enough to last a lifetime. No. 1 Pointcut.....\$5.75



Grass Hooks or Sickles — We have several types, priced 60c, 75c, \$1.00.



Dibble. For transplanting vegetable plants; steel point. Price, 60c to \$1.25.



Grass Catchers. Made of heavy galv. sheet iron and heavy white canvas. For 14-20-inch mowers, \$1.25 to \$1.75.



Pruning Saw. Price, \$1.25 to \$3.75. LENGTH OVERALL — 4 FEET



Handy-Hoe. Each, 90c.

Grasswip — A two-edged grass and weed cutting tool working equally well on either the forward or backward swing. Swings as easily as a golf club. Each, 85c and \$1.25. Add 25c to mail orders.



Socket Garden Trowel—Drop shank pattern. Will outlast several of the cheaper trowels. Each, \$1.15.

Waters Tree Pruner
8 foot. Each\$2.50
10 foot. Each2.75
12 foot. Each3.00



Master-Mated Chicks and Ducklings



Master-Mating means you get big, husky, lively chicks with Greater Earning Power Bred IN You Take Extra Profits OUT

"Master-Mated" best represents the scientific mating and pairing of breeders in personally supervised flocks plus the consistent introduction of trapnest-pedigree blood from many of the country's outstanding specialty breeders. Through this Master-Mating Program we get chicks that are much more profitable for the raiser than the ordinary chick that does not have this valuable inheritance. This Breeding System proves that Master-Mating produces: 1. Better Health and Livability of Chicks and Mature Birds. 2. Fast Growth. 3. Early Maturity. 4. High Flock Average Production. 5. Large Size Eggs.

These are the factors you need to make money today with poultry.

Prices effective March 1, 1942.		Price per 100 Chicks.			
Master-Mated Chicks		Grades			
Breeds		Utility	A	AA	AAA
White Leghorns (Large type)		\$9.00	\$10.00	\$11.00	\$13.00
White Rocks	.....	10.00	11.00	12.00	14.00
Barred Rocks	.....	10.00	11.00	12.00	14.00
Buff Rocks	.....	10.00	11.00	12.00	14.00
Rhode Island Reds (S.C.)	.....	10.00	11.00	12.00	14.00
Buff Orpingtons	.....	10.00	11.00	12.00	14.00
White Wyandottes	.....	10.00	11.00	12.00	14.00
New Hampshire Reds	.....		11.00	12.50	14.00
White Giants	.....			12.50	14.00
Heavy Mixed	.....		10.00		
Pullets—					
White Leghorn Pullets	.....			20.00	
Rocks, Reds, Wyandottes					
Pullets	.....			16.00	
Cockerels—					
White Leghorn Cockerels	when available. Per 100, \$4.50.				
Heavy Cockerels	when available. Per 100, \$11.00.				
Owing to unsettled conditions the prices on this page are not guaranteed and are subject to changes without notice.					
A 25% deposit is required with each order. Balance before shipment or C. O. D. if desired.					
DISCOUNTS— All grades and varieties of chicks one-half cent less in 500 lots. All grades and varieties of chicks 1 cent more in lots of 50.					
DUCKLING PRICES					
Our Mammoth White Pekin Ducklings are the very best White Pekins obtainable, having taken the Blue Ribbon at the Minnesota State Fair in 1939. They are strong, healthy, and fast growing, often weighing 7 and 8 pounds, with proper care and feed, in two to three months.					
Three-Day-Old Ducklings 30c each; 10 to 24, 25c each; 25 to 49, 22½c each; 50 or more, 20c each.					
All indications are, prices on ducklings will advance May 15th.					

"Master-Mated" Chick Grades

A—This is our regular standard quality chick. All of these chicks come from flock matings that measure up to our most rigid requirements for health, vigor and high egg production combined with exhibition qualities.

AA—Our most popular grade from special production matings. All chicks produced from these matings come from sires whose dams under the trapnest laid 150 or more eggs in their pullet year in the White Rocks, and 200 or more eggs in the White Leghorn variety. Egg production in this grade will far exceed our Regular Grade A, 90 per cent of our 1941 sales were of this grade.

AAA—The sires heading our Triple A matings in White Rocks, S. C. Reds and Barred Rocks all come from dams that laid 200 or more eggs (many over 225 eggs) under the traps in their pullet year. White Leghorns over 225 eggs and many over 250 eggs. The other varieties are outstanding matings in each breed, selected for superior egg production and exhibition qualities.

UTILITY—Our lowest priced grade. These chicks come from matings which do not quite measure up to the high quality we require for our regular standard "A" grade. Well worth the money.

POULTRY FEED AND SUPPLIES

See our Cackler and Price List for prices on a complete list of feeds. The Cackler is issued at intervals so that our customers may be kept informed of prevailing market prices. All prices printed in this book are subject to change without notice. All quotations are F. O. B. St. Paul. If goods are to be sent by Parcel Post add postage.

Charcoal

Charcoal is one of the greatest disease preventatives for poultry. It aids in digestion, purifies the blood and regulates the bowels, fowls young and old should have access to it at all times. In three sizes—fine, medium or coarse. 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.35.

Oyster Shell

Contains carbonate of lime, of the same composition as eggshell. As other feeds contain very little of this mineral matter, the hens need Oyster Shell at all times to produce eggs. 25 lbs., 35c; 50 lbs., 60c; 100 lbs., \$1.10.

Mica Crystal Grit

Is a necessary aid in digestion for both small and large birds. Keep before the fowls at all times. Two sizes—fine and coarse. 25 lbs., 40c; 50 lbs., 75c; 100 lbs., \$1.40.

Purina Checkboard Feeds

Broiler Chow	Duck 5th Week	Fatena
Chick Startena	Turkey Startena	Fox Chow
Chick Chow	Turkey Growena	Goat Chow
Chick Growena	Hen Chow	Mink Chow
Duck Startena	Family Flock Chow	Rabbit Chow
Duck Growena	Pigeon Checkers	Dog Chow
Duck Fatena		Omolene

Prices are listed on special Feed Price List. Quantity prices quoted on request.

Foust's Pigeon Health Grit

Gives health, vim and vigor to both young and old birds. Raters have found it unequalled as a tonic and for fattening squabs. 25 lbs., 90c; 50 lbs., \$1.60; 100 lbs., \$2.90.

Dried Buttermilk

Dried Buttermilk is pure fresh buttermilk with water only removed and nothing else added. See Cackler for prices.

Animal-Poultry Yeast Foam

Gives the vim to the chicks to grow and hens to lay. Assists the birds in digesting their food, especially the starches found in such large quantities in all poultry feeds. 4-lb. containers, postpaid, \$1.00.

Purity Stock and Poultry Yeast

Means more eggs, more vitality in your flock. Prevents bloat and scours in cows or calves. 10 lbs., \$1.50; 25 lbs., \$3.25; 50 lbs., \$6.25; 100 lbs., \$12.00.

Fish Oil

This is the highest grade of oil for poultry and stock only. 1 qt., 60c; ½ gal., 95c; 1 gal., \$1.75. Prices in your own container or in a 30-gallon barrel, quoted on request.

Ration-Ayd

A Vitamin D with B-G Complex of Milk, for mixing in the laying mash. 5 lbs., \$1.65.

Pulvex

Pulvex is a non-poisonous powder to use on any animal including canaries; particularly dogs, cats, foxes, poultry and large animals to control lice, fleas, ticks and mites. Prices: ¼ oz. size, 25c; 2 oz., 50c; 12 oz., \$1.25.

Sodium Fluoride

The U. S. Department of Agriculture highly recommends the use of Sodium Fluoride, a fine powder, for freeing the fowls of lice. One application will entirely rid the birds of lice. 1 lb. treats about 125 birds. 1 lb., 50c.

Lice-Kill Salve

Kills body lice on chickens, head lice on chicks; also used for scaly leg. One of the best lice-killers; guaranteed to kill every louse on the fowl or money will be refunded. Tube, for 200 fowls (postpaid), 60c. Two tubes (postpaid), \$1.00.

Avenarius Carbolineum

Kills and stops the propagation of chicken mites or fowl ticks in poultry houses for a whole year. Disinfects deep cracks and crevices, where vermin and disease germs propagate. One gallon covers 100 to 200 square feet. Preserves wood against rot. 1 gal., \$1.50.

Gold Leaf Tobacco Powder

Controls poultry round worms. 2 lbs., 25c; 10 lbs., \$1.00; 60 lbs., \$5.00.

Epsom Salts For poultry. 1 lb., 12c; 5 lbs., 35c.

Avicol

Your loss of baby chicks CAN BE STOPPED—easily, quickly. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chicks withstand infection. Price, 50c; special large size (almost 3 times 50c size), \$1.00.

Don Sung

A Mineral Compound that Scientifically Helps Nature. Don Sung is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. Prices: Trial size, 50c; large size, \$1.00; holds 3 times the 50c size.

Group-Over. A Soothing Antiseptic

Roup is one of the most serious of poultry diseases. Keep Group-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Price, 3 oz., 50c; 8-oz. size, \$1.00.

DR. HESS'S PREPARATIONS

Dr. Hess Poultry Pan-a-min. Acts as a corrective and tonic on the dormant eggs, organs as well as on the digestion. Contains internal antiseptics that counteract disease; 1½ lb. size, 30c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15; 35 lbs., \$4.35; 100 lbs., \$10.50.

Dr. Hess Chick Tablets. For the treatment of diarrhea in either chicks or large fowl. 25c, 50c and \$1.00.

Dr. Hess Dip and Disinfectant. A sure germ and parasite destroyer, good as a dip or for spraying. One gallon of dip makes from 70 to 100 gallons of effective solution. 12-oz. size at 40c; 1 qt., 65c; ½ gal., \$1.15; 1 gal., \$1.75.

Dr. Hess Poultry Tablets. Will help cure the most obstinate case of roup. 25c, 50c and \$1.00.

Dr. Hess Hog Special. A conditioner and mineral supplement for hogs only. Acts as a general conditioner and appetizer. 1½ lbs., 25c; 3 lbs., 45c; 7 lbs., 95c; 15 lbs., \$1.90; 25 lbs., \$2.85; 35 lbs., \$3.95; 100 lbs., \$9.40.

Dr. Hess Instant Louse Killer. Kills lice on poultry, horses and cattle, sheep ticks, bugs on cucumbers, squash and melon vines, cabbage worms, etc. 1 lb., 30c; 2½ lbs., 65c; 6 lbs., \$1.25.

Dr. Hess Fly Spray. Will rid your barn of flies and mosquitoes. 2-qt. size 85c; 1 gal., \$1.50.

Dr. Hess Improved Stock Tonic. Makes ailing animals healthy, the whole herd thrifty, expels worms. 3 lbs., 45c; 7 lbs., 95c; 15 lbs., \$1.90; 25 lbs., \$2.85; 100 lbs., \$9.40.

Dr. Hess Poultry Inhalant. An aid in expelling mucous from the upper respiratory tract and treating minor bronchial irritations. 1 oz. makes 1 pt. of spray. 4 oz., 65c; 8 oz., \$1.10.

Dr. Hess PTZ. The new worm treatment (made with Phenazine) for sheep, goats, swine, cattle and poultry. Prices on request.

Dr. Hess Udder Ointment. For swollen or bruised udders; cracked or chapped teats, etc. 7-oz. can, 50c.

Dr. Hess Poultry Worm Powder. This is a single dose flock treatment which does not harm the birds or affect egg production. 50-bird size, 50c; 100-bird size, 90c; 250-bird size, \$1.90; 500-bird size, \$3.00; 1,000-bird size, \$5.40.

Dr. Hess Poultry Worm Tablets. These are odorless, tasteless and non-toxic to poultry. 40-tablet size, 50c; 100-tablet size, \$1.00; 250-tablet size, \$2.00; 500-tablet size, \$3.50; 1,000-tablet size, \$6.50.

LEE'S PREPARATIONS

Acidox. To aid in the prevention and treatment of coccidiosis. 4 oz., 50c; 12 oz., \$1.00.

Lee's Cresote Dip. (Lee's Dip and Disinfectant.) Exceptionally powerful as a disinfectant and germicide. 1 qt., 60c; ½ gal., 90c; 1 gal., \$1.50.

Lee's Dri-Rub. For cold weather sanitation and lice around poultry houses and livestock quarters. 3 lbs., 45c.

Lee's Germoxone. One of the very best remedies for poultry affected with colds, cholera, roup, bowel trouble, sour crop, sore head, etc.

4-oz. liquid \$0.40 ½ gallon, liquid \$2.50
12-oz. liquid 1.75 Gallon, liquid 4.50
32-oz. liquid 7.50

Lee's Gizzard Capsule. For Worms in Poultry. Effective against common intestinal worms in chickens and turkeys. Prices: Adult size Gizzard Capsules: 50 capsules, 75c; 100 capsules, \$1.25. Pullet size: 50 capsules, 50c; 100 capsules, \$1.00. 7½ chick size: 50 capsules, 40c; 100 capsules, 75c, postpaid.

Lee's Lice Killer. In liquid form. Painted on the roosts, the vapor kills lice on the bodies of the chickens as they roost at night. Qt., 60c; 2-qt. size, 90c; 1 gallon, \$1.50.

Lee's Louse Powder. For small flock it is convenient, economical and sure. 1 lb., 25c; 2½ lbs., 50c.

Lee's Leemulsion. For treating colds, wheezing or bronchitis. Stir into drinking water. 4 oz., 50c; 12 oz., \$1.00.

Lee's Pickpaste. Pickpaste will break the bad habit of chicks picking one another's toes, vent, wings, etc. 2 oz., 25c; 6 oz., 60c.

Tonax. A tonic and conditioner for chickens and turkeys. 12 oz., 30c; 2 lbs., 75c.

Lee's Vapo-Spray. For the relief of coughs due to colds and minor bronchial irritations in poultry and swine. 1 pt., 50c; 1 qt., 75c; ½ gal., \$1.25; 1 gal., \$2.00.

Walko Tablets

A wonder-working medicine for the treatment and prevention of White Diarrhea, Roup and Cholera. 50c, \$1.00.

Carbola

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied with brush or spray pump. Disinfects and dries white. Does not flake or peel. 1 lb. covers 100 sq. ft. The dry powder is an excellent louse powder. 25 oz., 25c; 5 lbs., 60c; 10 lbs., 98c; 50 lb. bag, \$3.50.

Creokote. Disinfectant Paint

Creokote disinfects and paints at one operation. Use the dry powder on dropping boards and in the nests in poultry houses. As a paint, for barn or poultry house, 5 lbs. will cover from 400 to 600 square feet of surface.

CLOSE-OUT SALE PRICE.

5 lbs. was 50c, now 25c; 10 lbs. was 85c, now 43c; 25 lbs. was \$1.75, now 88c; 50 lbs. was \$3.00, now \$1.50.

Chlorin 2000

A powerful germicide, disinfectant and deodorizer for home use or for a concentrated sodium hypochlorite solution for dairy and creamery sterilization. A few drops in the drinking water is a disease preventative for chicks or older fowls. 1 qt., 50c; 1 gal., \$1.25; 4 gals., in case, \$4.00.

B-K (Bacili-Kil)

Bacili-Kil or commonly called B-K is one of the most powerful germicides and disinfectants, being even more effective than pure carbolic acid and still non-poisonous. We do not hesitate to recommend it for general use in the home, poultry house or barns. Trial size, 30c; medium size, 50c; 1 qt., 90c; 1 gal., \$2.00; 5 gals., \$8.50. Powder: 3-1/3 oz. bottle, 75c; 1 1/2 lb. bottle, \$3.50.

Ray-Zem

Keeps turkeys, chickens and game birds healthy. Especially recommended for blackhead treatment in turkeys. 1/2 pt. \$1.00; 1 pt. \$1.50. (Can supply larger sizes on order.)

NICOTINE POULTRY DELOUSER

Apply in the fall or by all means before brooding time in the spring. Sale Price: 2-oz., 35c tube, now 20c. Spreads Farther—Lasts Longer. 2-oz. tube treats 40 to 50 running feet of perches or 60 to 75 chickens.

"Black Leaf 40" for Poultry Lice

"Black Leaf 40" painted on the top side of the roosts controls body lice. Saves the labor of handling each bird either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production. Prices: 1-oz. bottle (treats 60 running feet of roost), 35c; 5-oz. bottle, \$1.00; 1 lb., \$2.50; 2-lb. tin, \$3.70; 5 lbs., \$6.90; 10-lb. tin, \$11.65.

Thermostat Wafers

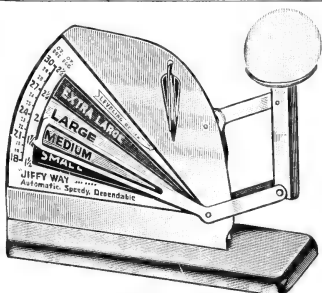


Wafers to fit any incubator or brooder. State make when ordering.

Size, 3 inch. Each, 30c; 35c postpaid. Size, 4 inch. Each, 45c; 50c postpaid.

"Jiffy-Way" Egg Grading Scale

Four-color zone dial doubles grading speed. You see instantly the correct weight and grade. Each, \$1.50.



The New "Jiffy-Way" Candler

"Jiffy-Way" Egg Grading Scale.

This candler is attractive, durable and economical in operation. Each, \$1.50.

"Kant-Pix" Beak Guards

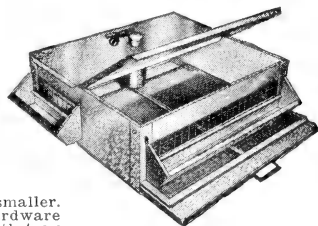
For the control of cannibalism and pick-out. Light in weight, strong and durable. "Kant-Pix" Beak Guards can be quickly and easily attached. Do not interfere with breathing or free access to food. Price, 100, \$1.75.

Opal Glass Nest Eggs

The exact size of real hen's egg. Doz., 35c. (not mailable).

Electric Battery Brooder

No. 7 E
Price \$5.00



This brooder has a capacity for up to 50 day-old chicks. Operates on any current, u s e s standard bulb, 60-watt or smaller. Floor is framed hardware cloth 1/2-in. mesh. Both tray and floor removable. Feeding trough in front; water trough at side; both removable.

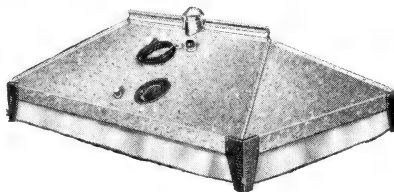
Round Type Electric Brooders

Heavy duck curtains confine the heat and permit chicks to come and go at will. Clean heat at a low operating cost.

No. E-24—75-chick size—24-inch diameter\$3.00
(Heat supplied by bulb)
No. E-34—150-chick size—34-inch diameter.....\$11.00
Heat supplied by two 150-watt bar-type units.

Hudson Lektir-Hen

Plenty of heat is provided by two totally enclosed bar-shaped heating elements under bright, aluminum finished reflectors—deflecting heat in evenly diffused rays. Two red attraction lamps reflect a warm, heat-like glow at all times. Foul air is exhausted through the center flue which extends down near the floor line. Adjustable air regulator. Desired temperature automatically maintained by positive Thermostat control.



No. 2436—120-chick size (24 in. x 36 in.).....\$12.75
1—300-watt element.
No. 3648—265-chick size (36 in. x 52 in.)..... 22.00
2—200-watt elements.
No. 4262—375-chick size (42 in. x 62 in.)..... 30.00
2—300-watt elements.
No. 4872—500-chick size (48 in. x 72 in.)..... 35.00
2—500-watt elements

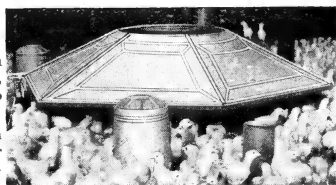
Hudson Oil- Burning Brooder

Equipped with "silent" burner, has no soot, no carbon, no roar.

No. 256B, with 54-inch hover, for 500 to 1,000 day-old chicks, \$22.00.

No. 149B, with 48-inch hover, "hushed-flame" burner, capacity, 300 to 600 day-old chicks, \$18.00.

No. 542, with 42-inch hover, capacity 200 to 400 day-old chicks, \$12.75.



Fiberboard Electric Brooders

E-CON-O. A hover type brooder of sturdy construction, easy to operate at low cost. Size 32x32 in. Broods up to 150 day-old chicks. Price, \$2.00.
LIV-AY-GRO. Drawer type, inexpensive and sanitary brooder. 21 1/2x18 1/2. Has 50 day-old chick capacity. Price, \$2.25.

Thermometers

Brooder. Each50c to 85c
Incubator. Each50c
Greenhouse. Each55c to \$1.25
House. Each35c to 1.25

Peat Poultry Litter

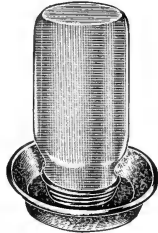
One bale covers about 350 sq. feet, one inch deep. See Poultry Feed List for prices.



Chick Fountains

Popular priced fountain in two sizes. Invert to fill, cupped pan snaps on securely. May be carried without spilling or over-running. Ribbed cone top prevents roosting.

No. A4—1 gal. Each.....65c
No. A8—2 gal. Each.....95c

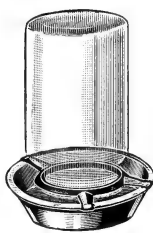


Mason Jar Chick Fountains

For water, milk, medicine or butter-milk.

Enameled or charcoal tin. Fits standard pint, quart, or two-quart Mason jars. Without jar, each, 10c.

Glass base fountain made of heavy clear glass moulded with smooth edge. Without jar, each, 10c.



Ideal Chick Fountain

Similar to the above Mason Jar Fountains excepting that it has no metal part, outside of 2½ inch wire legs. Price, with 2-qt. jar, 35c. (None sent by mail.)

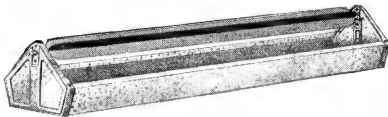
Chick Feeder (Reel Type)

Feed-saving lip curved for chick safety and feed economy.

No. 105—15-inch. 20c
No. 224—24-inch. 35c
No. 236—36-inch. 45c

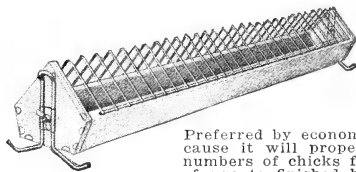


Chick Feeder (Reel Type)



Improved feeder. Reel adjustable to four positions. Practical for day-old to six-weeks-old chicks.

No. 624—24-inch.....45c
No. 636—36-inch.....60c
No. 6360—36-inch, same as No. 636, excepting furnished with adjustable wire legs.....70c

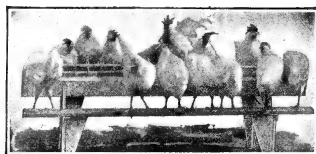


Broiler and Poultry Feeder

Preferred by economical buyers because it will properly serve large numbers of chicks from two weeks of age to finished broilers.

No. 730—30-inch.....\$1.25 No. 748—48-inch.....\$1.60

HUDSON FLOCK FEEDER



New hinged grill feeder of larger capacity and heavier construction than found elsewhere at its low price. Trough 9 inches wide, 4½ inches deep, 5 feet long. All edges folded. Feed-saving lip. Capacity 40 pounds, 36 quarts. Will serve from 30 to 60 hens.

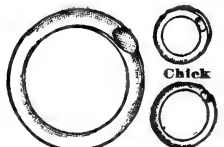
Heavy angle steel legs. Fitted with special rounded redwood perches, mite-proof, placed 16½ inches from the floor.

No. 25S—5 ft. Each.....\$3.75
No. 24S—4 ft. Each.....3.20

Spiral Leg Bands

Please Note. When ordering be sure to state the color desired, also for what breed of birds wanted.

These bands are made of highest quality celluloid. Colors are: White, blue, green, yellow, red, pink, light blue, cerise, purple, and black.



Size	Doz.	25	100	Pigeon
Chick, Pigeon, Bantam.....	\$0.10	\$0.15	\$0.50	\$ 3.00
Mediterranean, American.....	.10	.20	.60	4.35
No. 12 Asiatic.....	.15	.25	.70	5.50
No. 13 Asiatic.....	.15	.25	.85	6.50
No. 14 Turkey.....	.20	.35	1.00	7.50
No. 16 Turkey.....	.25	.45	1.40	10.00

Economy Colored Poultry and Pigeon Band (Numbered)

The Best Band for Exhibition Purposes

Colors: Red, Blue, Pink, White, Yellow, Green, Purple. Sizes 4 and 5 for Pigeons; 5, 10c; 10, 20c; 25, 40c; 50, 65c; 100, \$1.25. Size 9 for Mediterranean; size 11 for American breeds; size 12 and 13 for Asiatic; size 14 and 16 for Turkeys; 5, 15c; 10, 25c; 25, 60c; 50, \$1.10; 100, \$2.00.

Flex-O-Glass

Holds in heat better than glass. For covering poultry house windows, hot beds, etc. Permits the health giving ultra violet rays to pass thru. Approved by leading authorities. Square yard, 30c.

Cel-O-Glass

A high grade, low priced substitute for glass for poultry houses, hog houses, cold frames, storm doors, windows, porches, garages, etc. Practically unbreakable. Permits ultra-violet rays to filter through. Price, 1x3 feet, 60c; 5x3 ft., \$2.10; 10x3 ft., \$4.20.

Hudson Grit and Shell Hopper

For the feeding of grit, ground shells and charcoal.

No. GB9—2-compartment, width 9 inches.....\$1.35
No. GB12—3-compartment, width 12 inches.....1.60



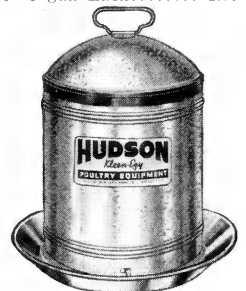
Handy-Fill Chick Fountain

Handy-Fill chick fountain with exceptional water capacity at an attractive price. Reversible bail for easy filling and cleaning. Drinking pan of special Hudson design. One-piece, rolled edge trough especially designed for small chicks, of no-spill design. No. C3—3 gal. Each.....\$1.45
No. C5—5 gal. Each.....2.00

Chick and Broiler Fountain

A fountain that is easily cleaned, cone top preventing roosting. Equipped with self-closing valve. New design of "wade-proof" trough prevents waste and moisture accumulation.

K-3—3 gal.\$2.10
K-5—5 gal.3.10



Broiler and Flock Fountain

A long lasting double wall type, top-fill fountain. Saucer shape pan provides all needed drinking space at water surface, yet chickens cannot stand in it. Has anti-roost top.

No. K5H—5-gal. size. Complete with heater.....\$5.40
Stand and legs for K5H.....3.00

Beise Fountains

Are one of the most popular makes that we sell, being favored by poultry raisers of account of the ease in which they can be filled, and serviceable make-up.

3-qt. size.....\$0.70 | 3-gallon size.....\$1.15
2-gallon size.....1.00 | 4-gallon size.....1.25



Paint

It is with pride that we offer you the well known and old Bradley & Vrooman Co. brand of paints, varnishes, etc. Their products are, in our estimation, the best that money can buy. Try some this year. You, too, like thousands of others will be singing the praises of Bradley & Vrooman paints. Prices are pleasingly low for such good paint.

Bradley & Vrooman Co.
Good Paint Since 1879.

Farmer's Friend Egg Carrier

Is one of the most popular and convenient carriers available for shipping eggs by Parcel Post or Express. Its solid wood walls protect eggs against breakage even in rough handling. Is light in weight, yet very durable.

Size	Each	Size	Each
6 doz. (Wt. 5 lbs.)	\$.90	15 doz. (Wt. 9 lbs.)	\$1.25
100 (Wt. 8 lbs.)	1.10		

Continental Folding Egg Carton

One of the best cartons on the market. Its cushion-like construction makes it very safe for the protection of eggs against breaking.

1 doz. (weights 3 lbs.)	\$.25	250 in carton	\$ 3.00
100 (weights 2 lbs.)	1.75	1,000	11.50

3x4 Egg Cartons

A square shaped, two-piece egg carton.

1 doz., \$.15	125 ... \$1.25	500 ... \$4.25
2 doz., .30	250 ... 2.25	1,000 ... 8.50

Salt

Table, Fine.....	10 lbs., 25c; 25 lbs., 45c; 100 lbs., \$1.25
Table, Iodized.....	10 lbs., 40c; 25 lbs., 75c; 100 lbs., 2.25
Water Softener, A Kieer, 100-lb. bag.....	1.25
CC-Rock, Ice Cream, Sidewalk, 100-lb. bag.....	1.25
FC-Coarse, Stock or Hay, 100 lbs.....	.95
White Cattle, 50-lb. block, each.....	.60
Iodized, 50-lb. block, each.....	.95

Morton's Smoke Salt

Does the entire job of salting, sugar-curing and putting the appetizing flavor of wood smoke into your hams and bacon. 2 lbs., 25c; 10 lbs., \$1.00.



Morton's Tender-Quick

A special meat cure for beef, veal, mutton, lamb, fish, fowl, pork specials, wild game, etc. Cures faster—improves flavor—makes meat more tender, 2½ lbs., 50c.

Morton's Seasoning

That extra something that makes good cooking taste better. 3 ozs., 15c; 10 ozs., 30c.

Morton's Meat Pump.....	\$1.50
Thermometer.....	1.00



Fleischmann's Irradiated Dry Yeast

Helps to keep your dog in wonderful condition, to eliminate skin trouble and intestinal disorders and to give your dog a finer, glossier coat. Just add a teaspoonful to his daily diet. 3½ oz., 25c; 8-oz. can, 50c; 1 lb., 85c.

One-Spot Flea Killer

A little on one spot into your dog's back once a week kills the fleas. 25c and 50c sizes.

Chaperone

Makes your dog behave in the house. Keeps dogs off rugs and furniture if desired. Price, \$1.00.

Charge—A candy for dogs

A vitamin, mineral dessert for dogs that puts pep in your pet. Recommended by leading veterinarians. 2 oz., 10c; 6 oz., 25c.

PRICES

Due to conditions, over which we have no control, all prices quoted in this catalog are subject to change without notice. We reserve the right to fill mail orders at prevailing prices.

BIRD SEED



In the quality and kind of seed you give your bird depends his health and song, and it is of the greatest importance to get good seed. More birds lose their song from the wrong kind of food or poor seed than from any other cause. Buy good seed and you will continue to have a happy singing bird. The seed we offer is carefully selected and of the highest quality. We shall be pleased to quote you in larger amounts than those we have listed. Please add postage to mail orders.

Bird Seed	1 lb.	5 lbs.	10 lbs.
Canary Bird Gould's Mixture.....	\$0.15	\$0.60	\$1.15
Love Bird Mixture.....	.15	.60	1.15
Canary.....	.15	.70	1.30
Hemp.....	.35	1.50	2.75
Millet.....	.10	.35	.70
Rape.....	.30	1.25	2.25
Sunflower.....	.15	.60	1.15
Lettuce Seed.....	.75	.....	.....
Thistle Seed.....	.50	2.25	4.25
Poppy Seed.....	1.00	5.00	9.50
Bird Gravel (bulk).....	.05	.25	.40
Cuttle Bone (small size).....	Oz., 20c; 3 oz., 55c		

We also have canary feed, drinking and treat cups, bird baths, and canary leg bands.

Bird Remedies and Feeds—Fish Food

Bird Bitters.....	25c	Lice Powder.....	10c and 25c
Bird Nesting.....	10c	Mite Powder.....	10c and 25c
3V Song Food.....	10c and 25c	Moulting Food.....	10c and 25c
Nesting Food.....	10c	Bird Salve.....	10c
Peppers.....	10c	Fish Food.....	10c
Catnip, bulk.....	10c	Aquarium Cement.....	10c

We carry a complete line of American Brand Bird Products.

RABBIT SUPPLIES

Also Rabbit Feeds at Market Prices.

Rabbit Salt Spools. Plain, sulphurized or mineralized.

Each, 6c; doz., 60c; postpaid, 75c; 100, \$5.00.

Rabbit Feeders (stoneware).....20c and 25c each

Rabbit Waterers (stoneware).....20c and 25c each

SERGEANT'S DOG MEDICINES

We carry a complete line of the famous Sergeant's Dog Medicines. Ask for free Dog book.



Purina Dog Chow

Purina Dog Chow is a complete food made of dried meat, dried milk, wheat germ, barley malt, Cod-Liver Oil and other health building ingredients. Dogs love it. It's good for them. To suit your dog's taste, Dog Chow comes in two forms, listed below. Feed either one or both for variety.

Dog Chow Checkers

Two sizes, large and small. Dogs love to chew them. It satisfies their natural desire to gnaw.

100 lbs.....	\$8.00
25 lbs.....	2.35
5 lbs.....	.55

Dog Chow Meal

Complete food in granular form. Simply stir in warm water, milk, soup, etc., and serve.

100 lbs.....	\$7.50
25 lbs.....	2.15
5 lbs.....	.55

A simple line drawing of a landscape. In the center, there is a small house with a chimney and a roof. To the left of the house, there are several tall, thin trees. To the right, there are more trees and rolling hills. The drawing is done in a simple, sketchy style with black lines on a white background.

•

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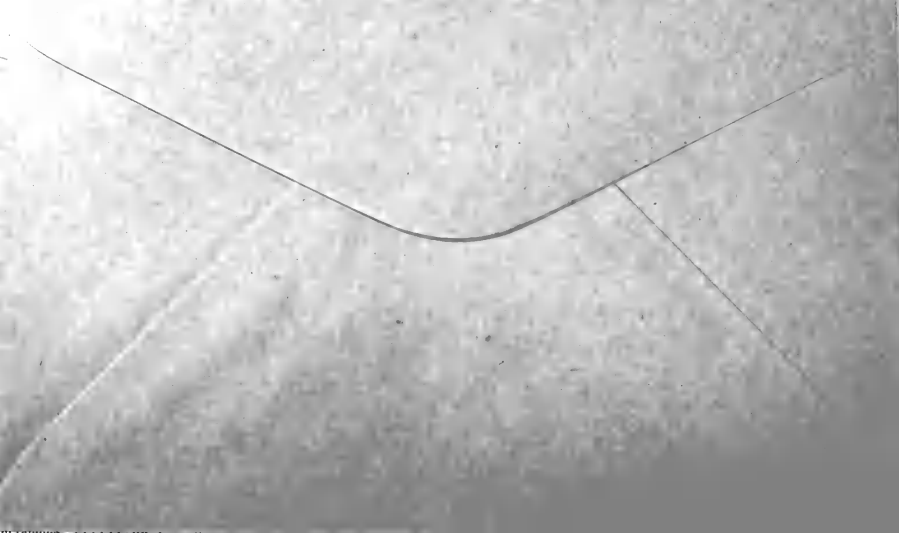
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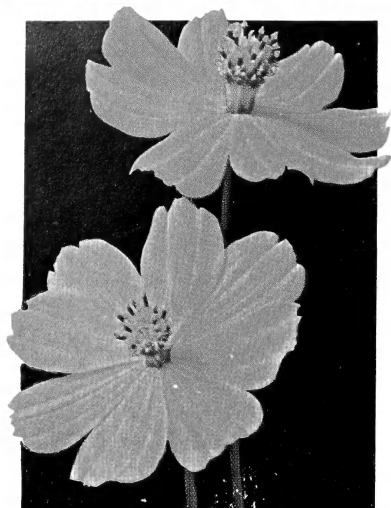
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—In bud and open
bloom

Anne Vanderbilt

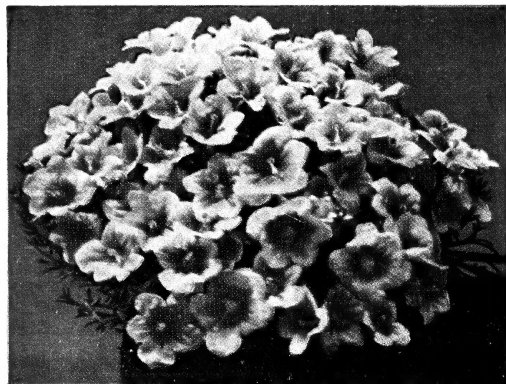
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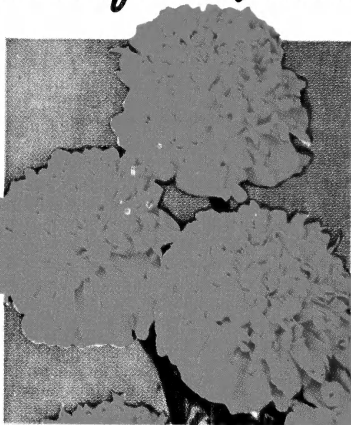
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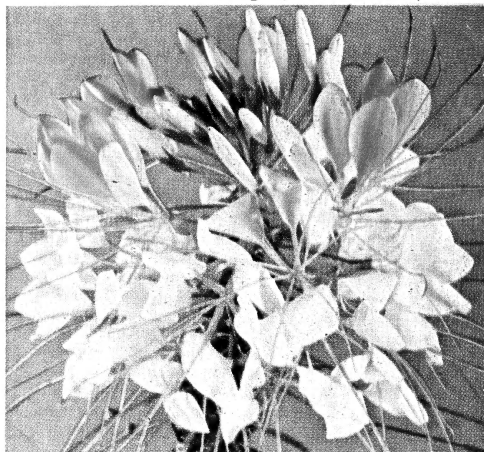
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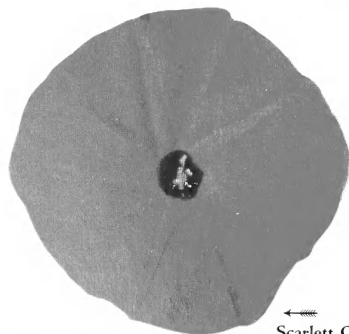
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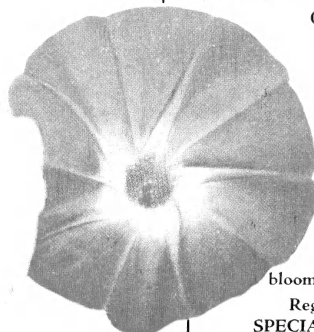


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